

Program EVALPLOT
(Version 2021-1)

by

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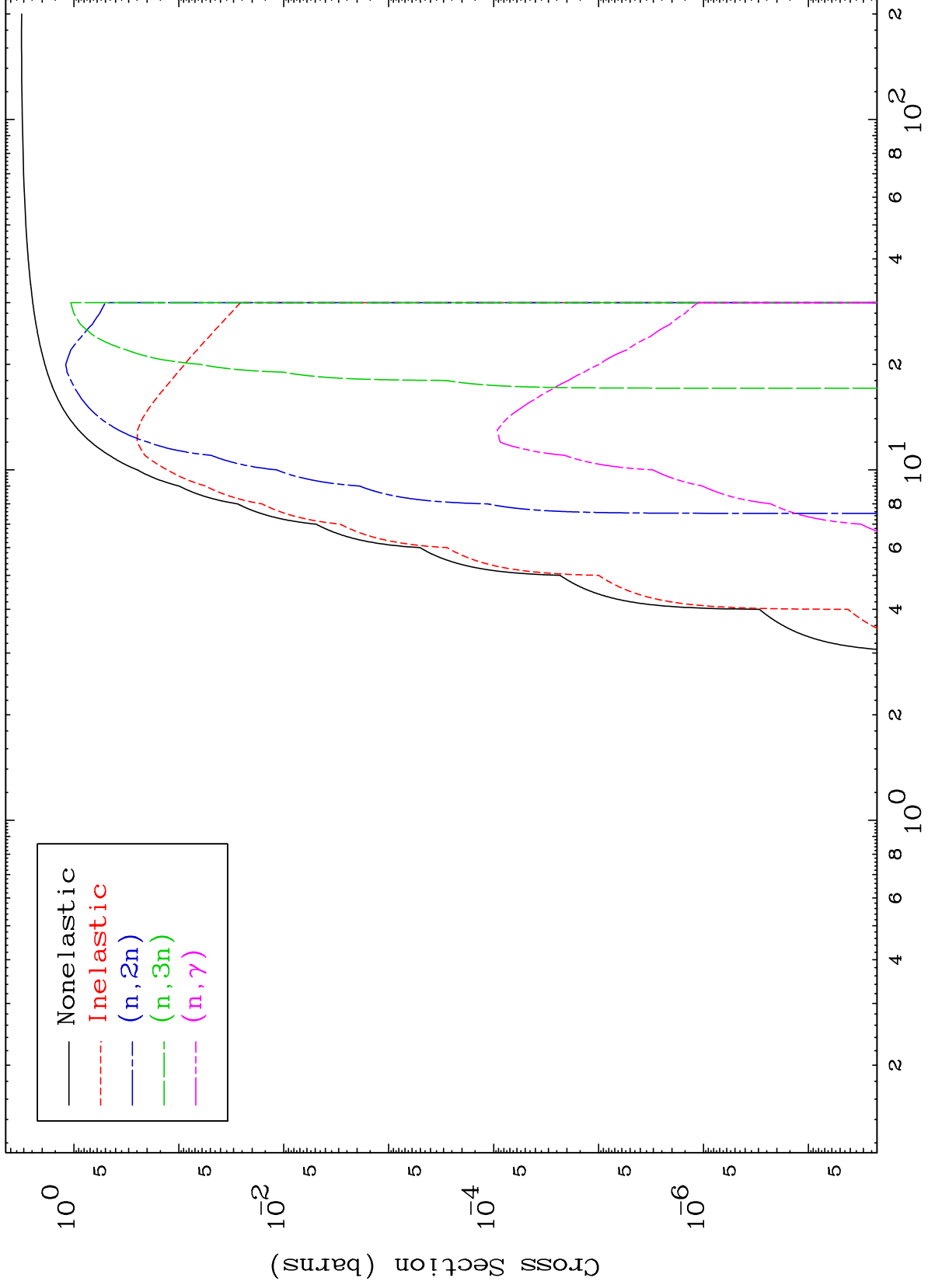
Press Mouse Button to Start

MAT 8210

Deuteron Major

82-Pb-199

0 Kelvin Cross Sections

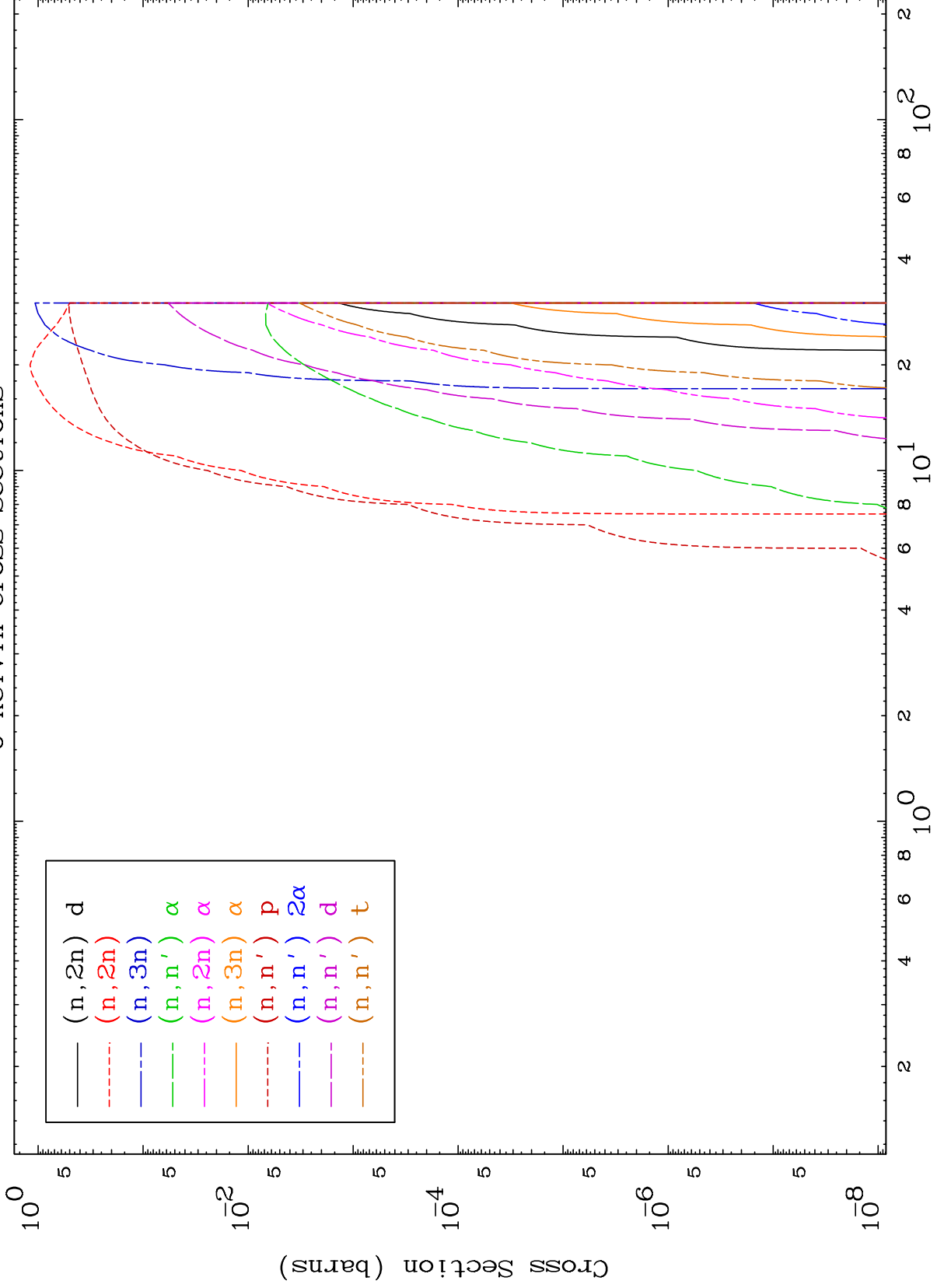


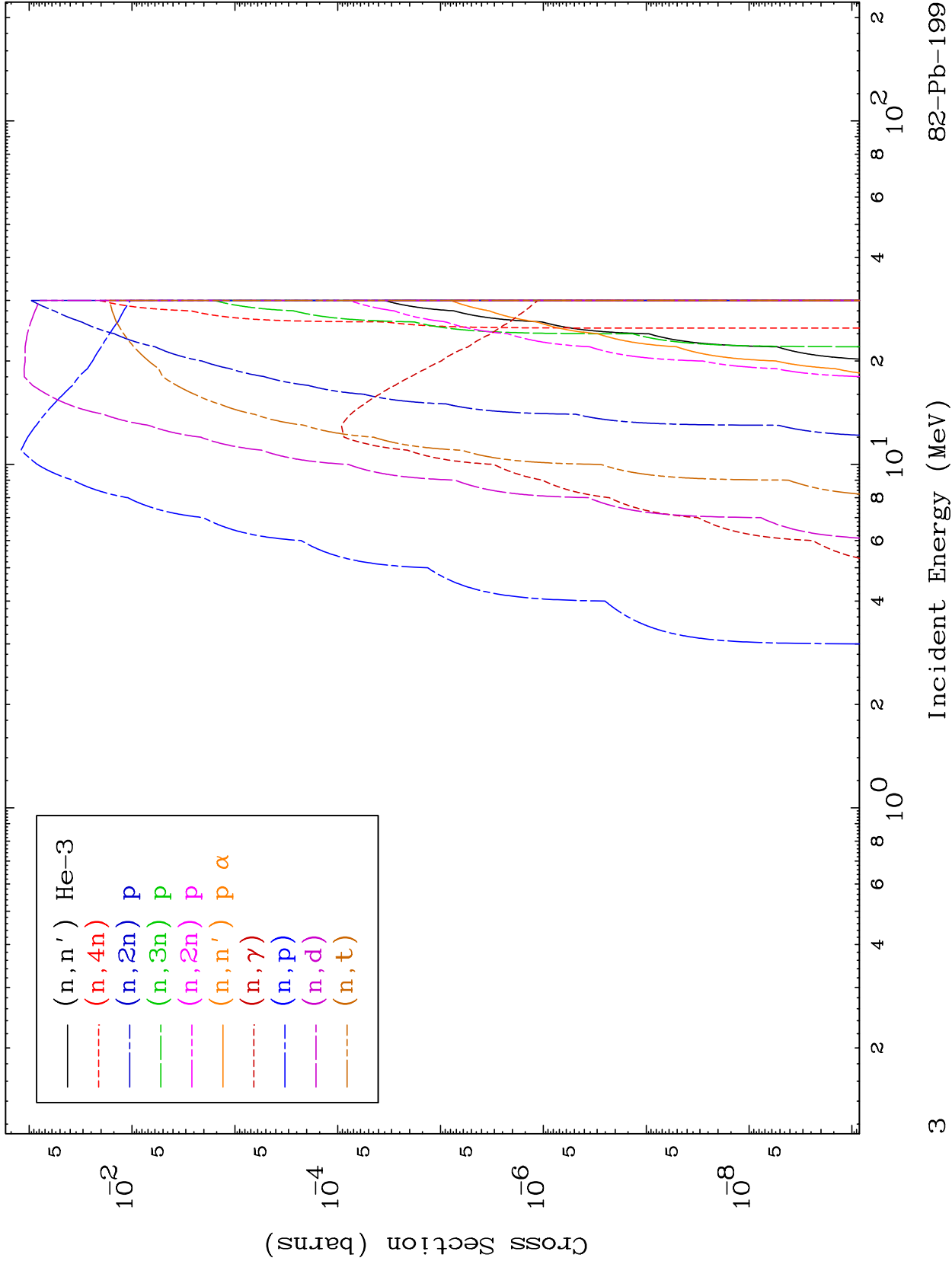
Legend:
— Nonelastic
- - - Inelastic
- · - (n, 2n)
- - - (n, 3n)
- - - (n, γ)

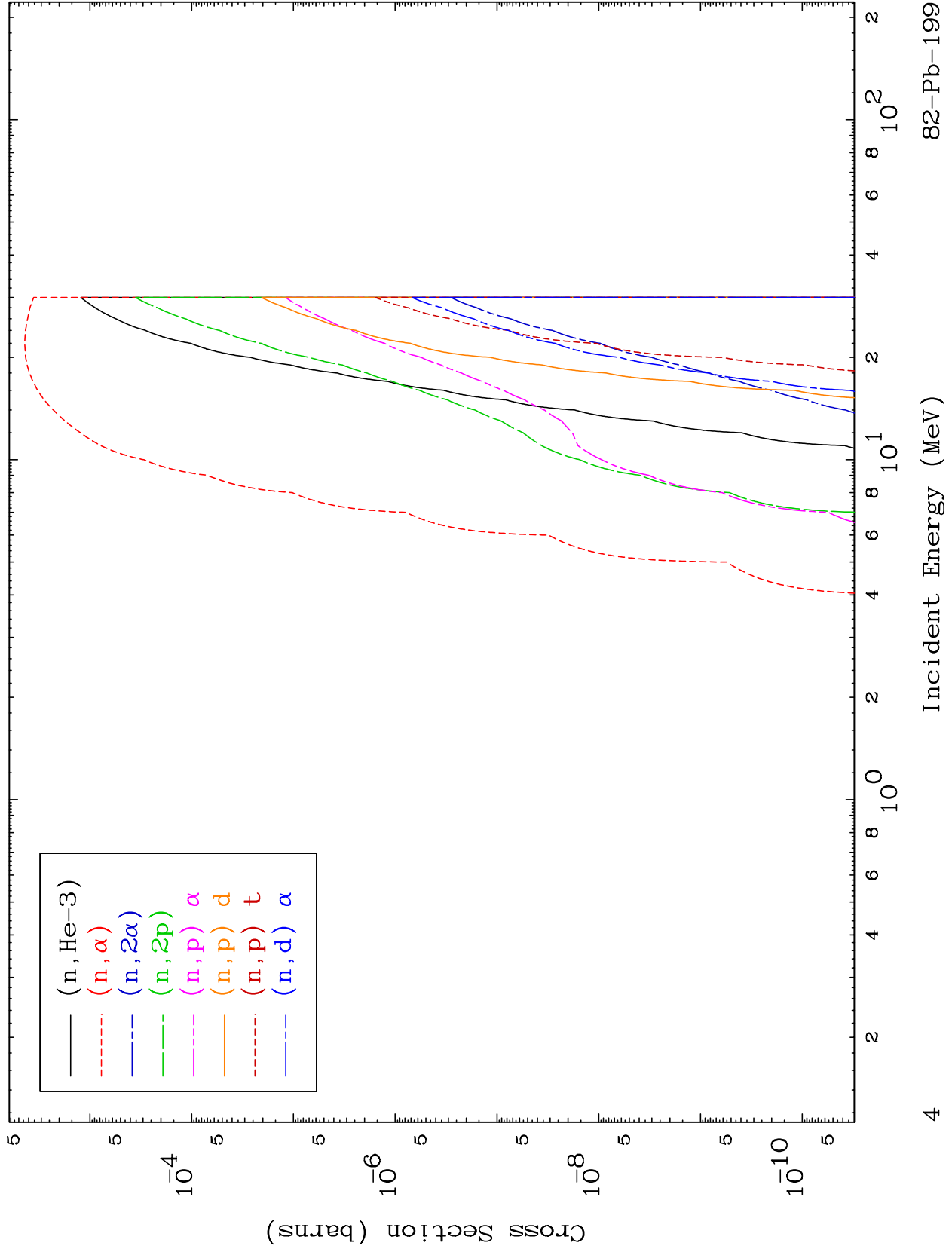
MAT 8210

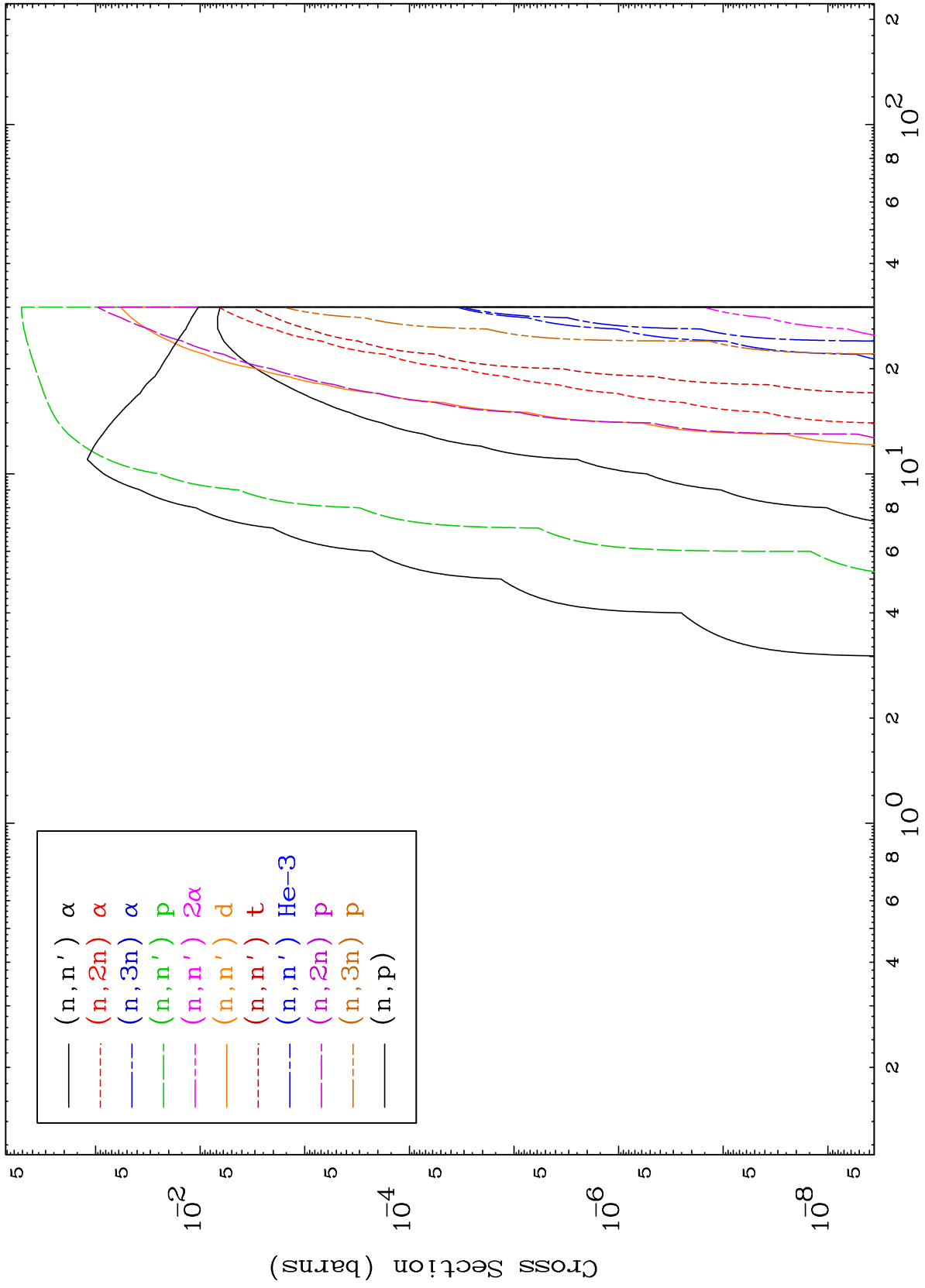
Deuteron Neutron Absorption
0 Kelvin Cross Sections

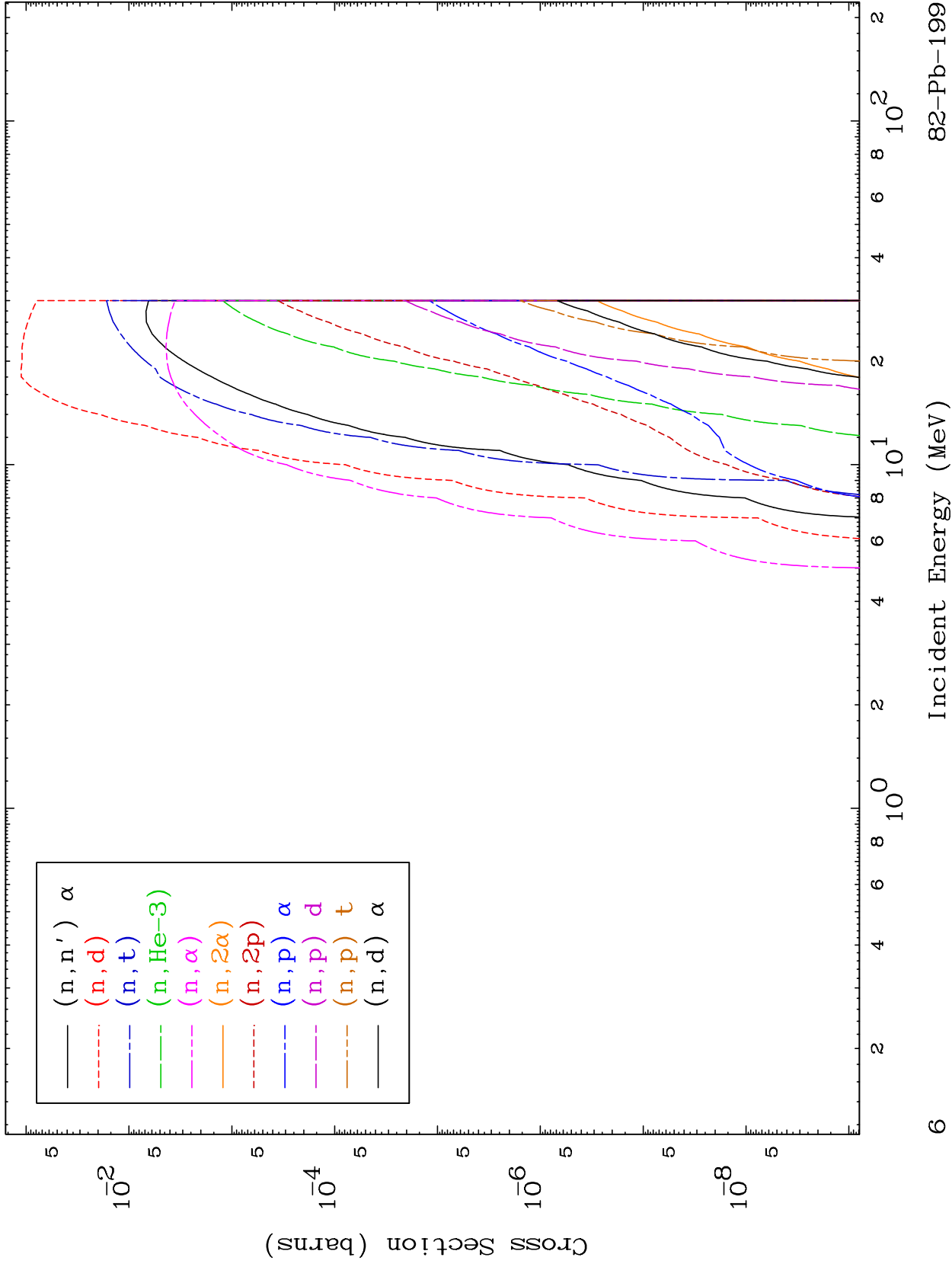
82-Pb-199









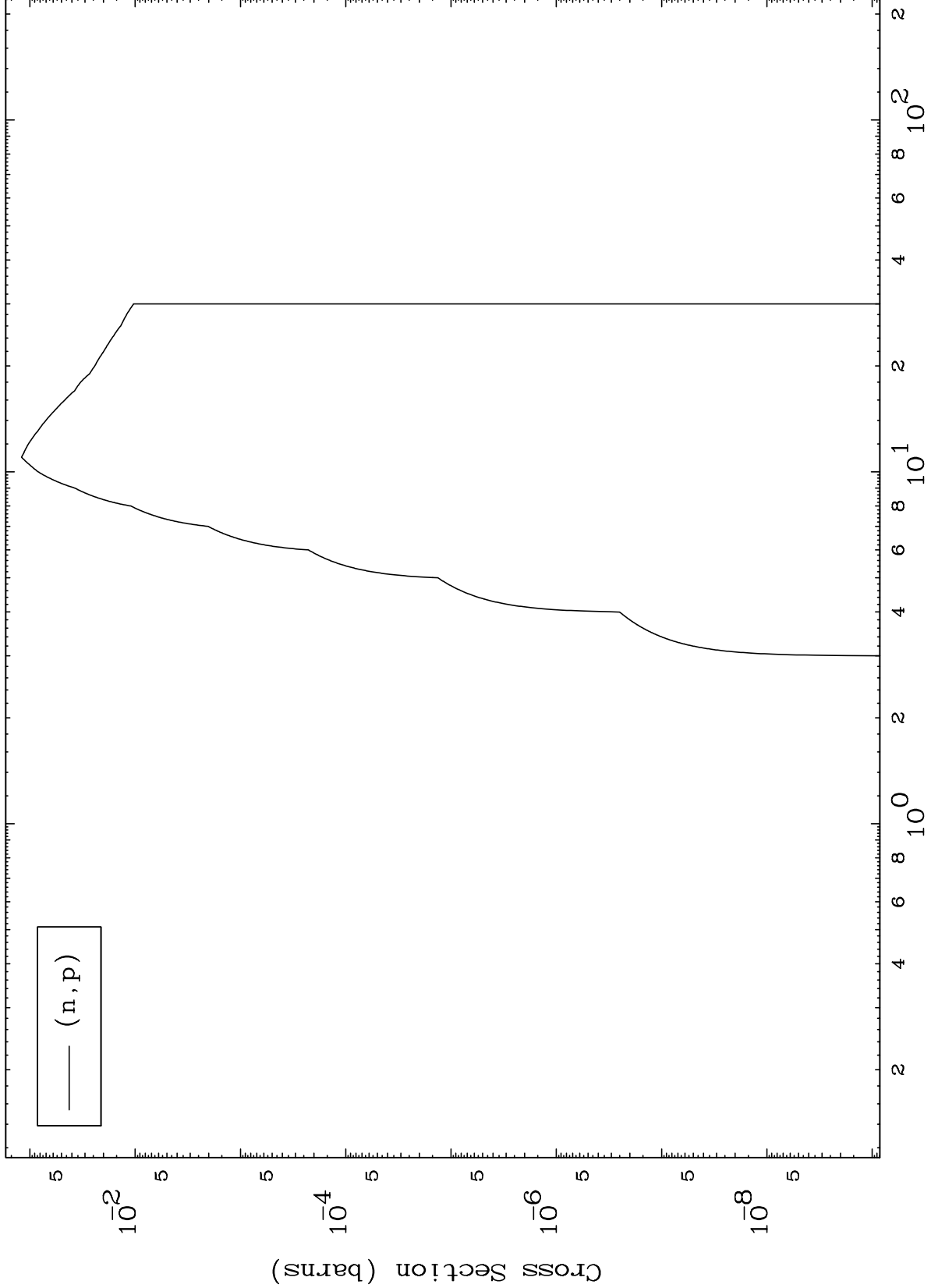


MAT 8210

(d,p) Levels

82-Pb-199

0 Kelvin Cross Sections

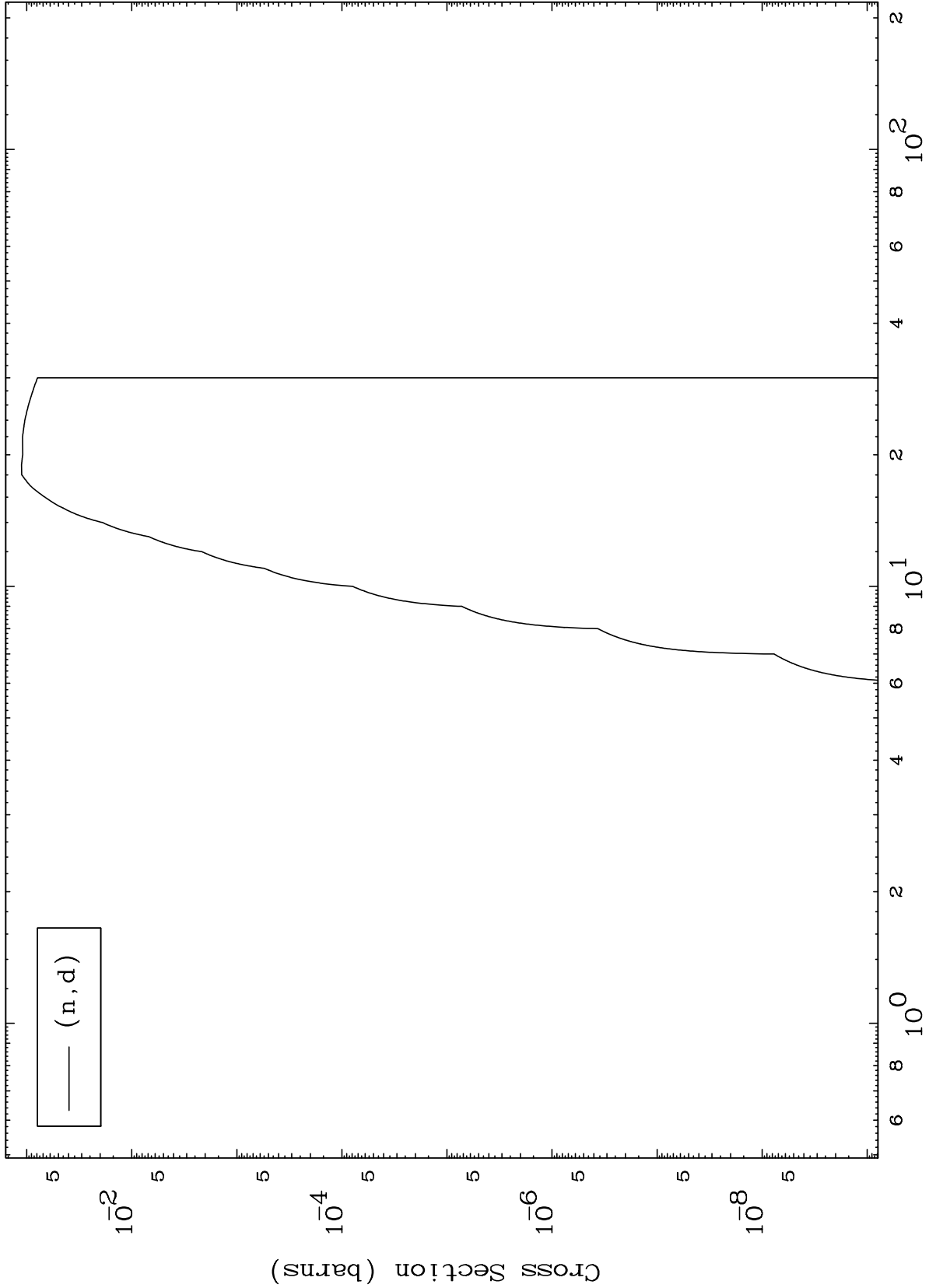


MAT 8210

(d,d) Levels

82-Pb-199

0 Kelvin Cross Sections



(n,d)

8

Incident Energy (MeV)

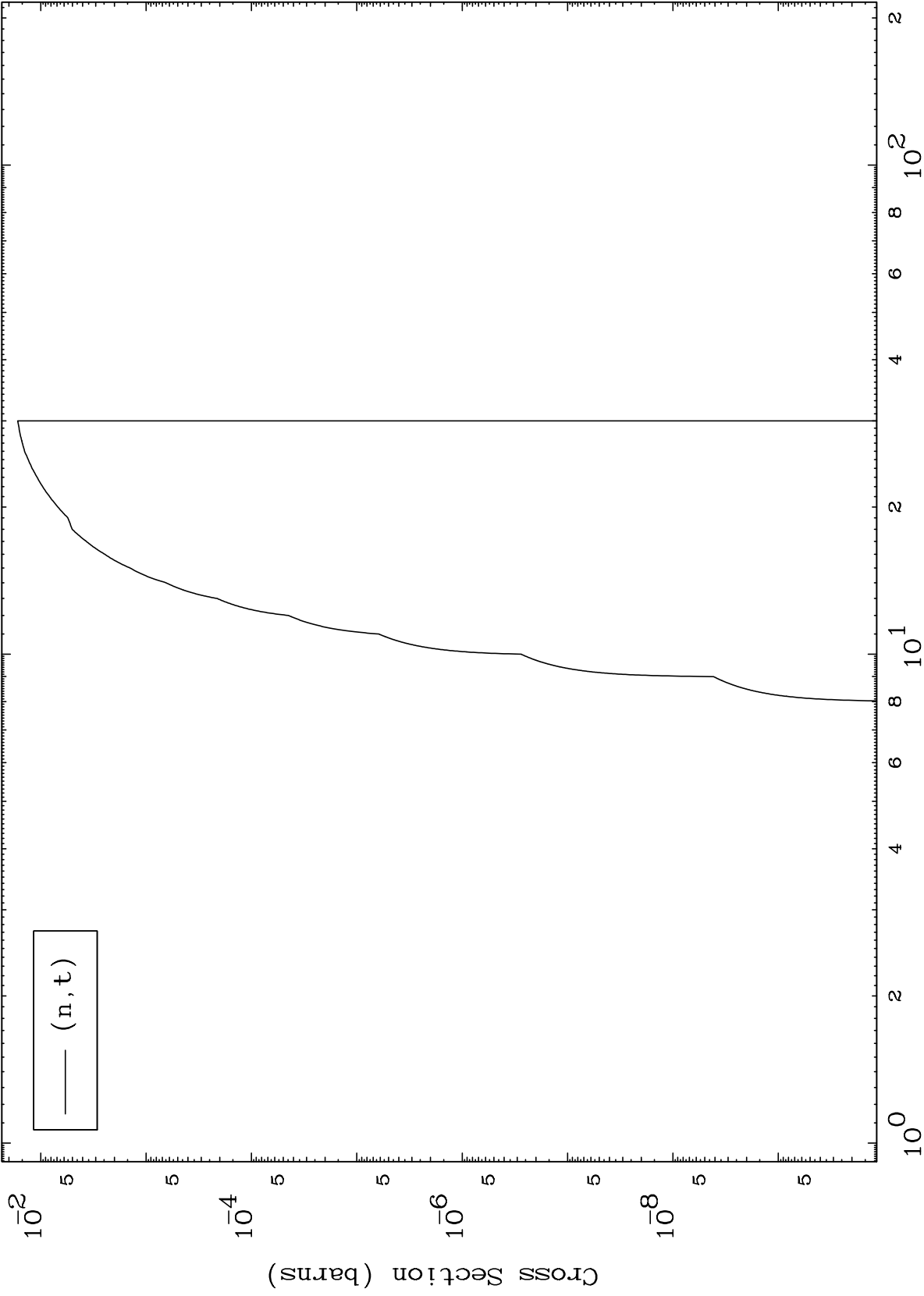
82-Pb-199

MAT 8210

(d, t) Levels

82-Pb-199

0 Kelvin Cross Sections



Incident Energy (MeV)

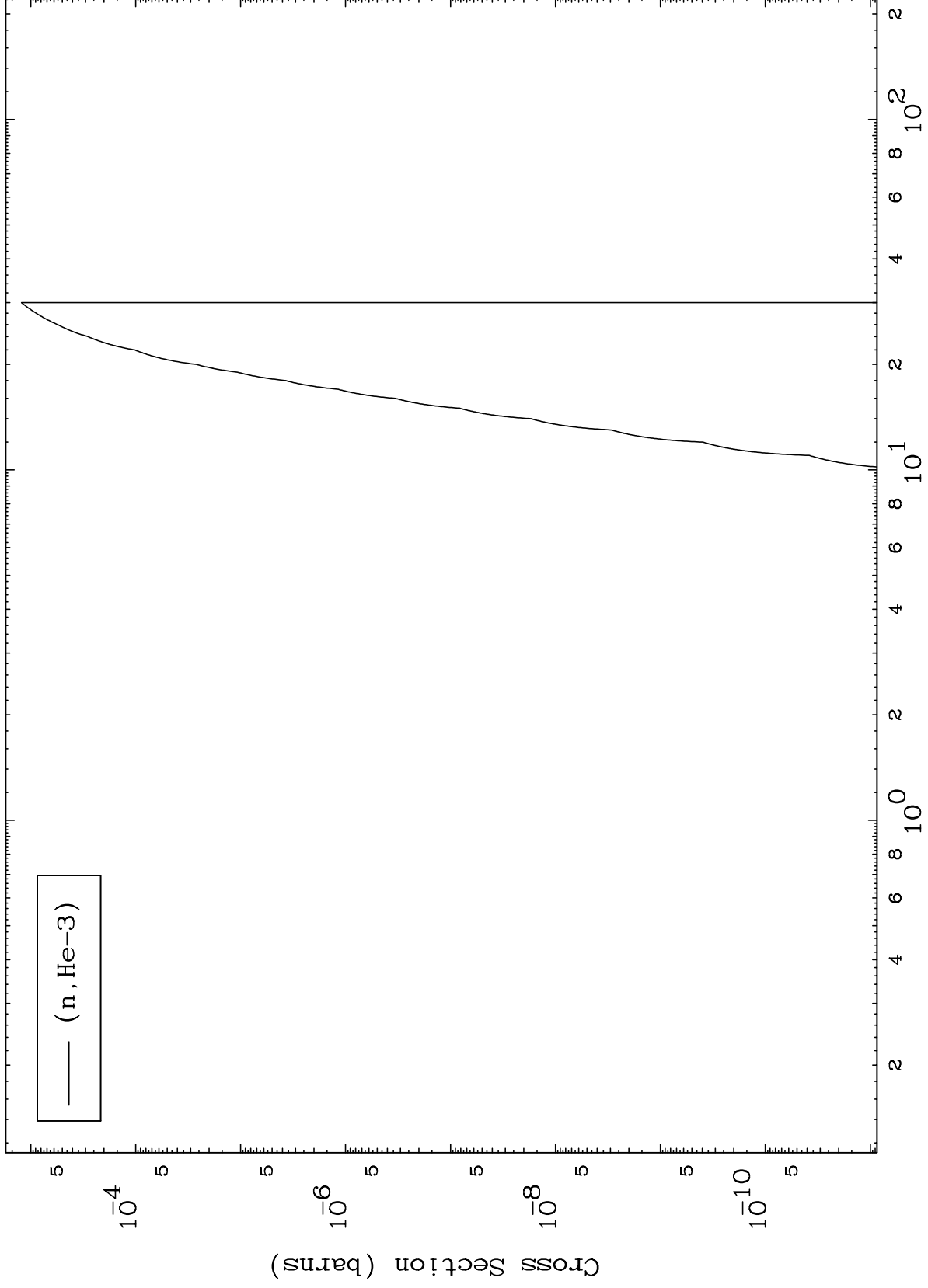
82-Pb-199

MAT 8210

(d,He3) Levels

82-Pb-199

0 Kelvin Cross Sections



(n, He-3)

10

Incident Energy (MeV)

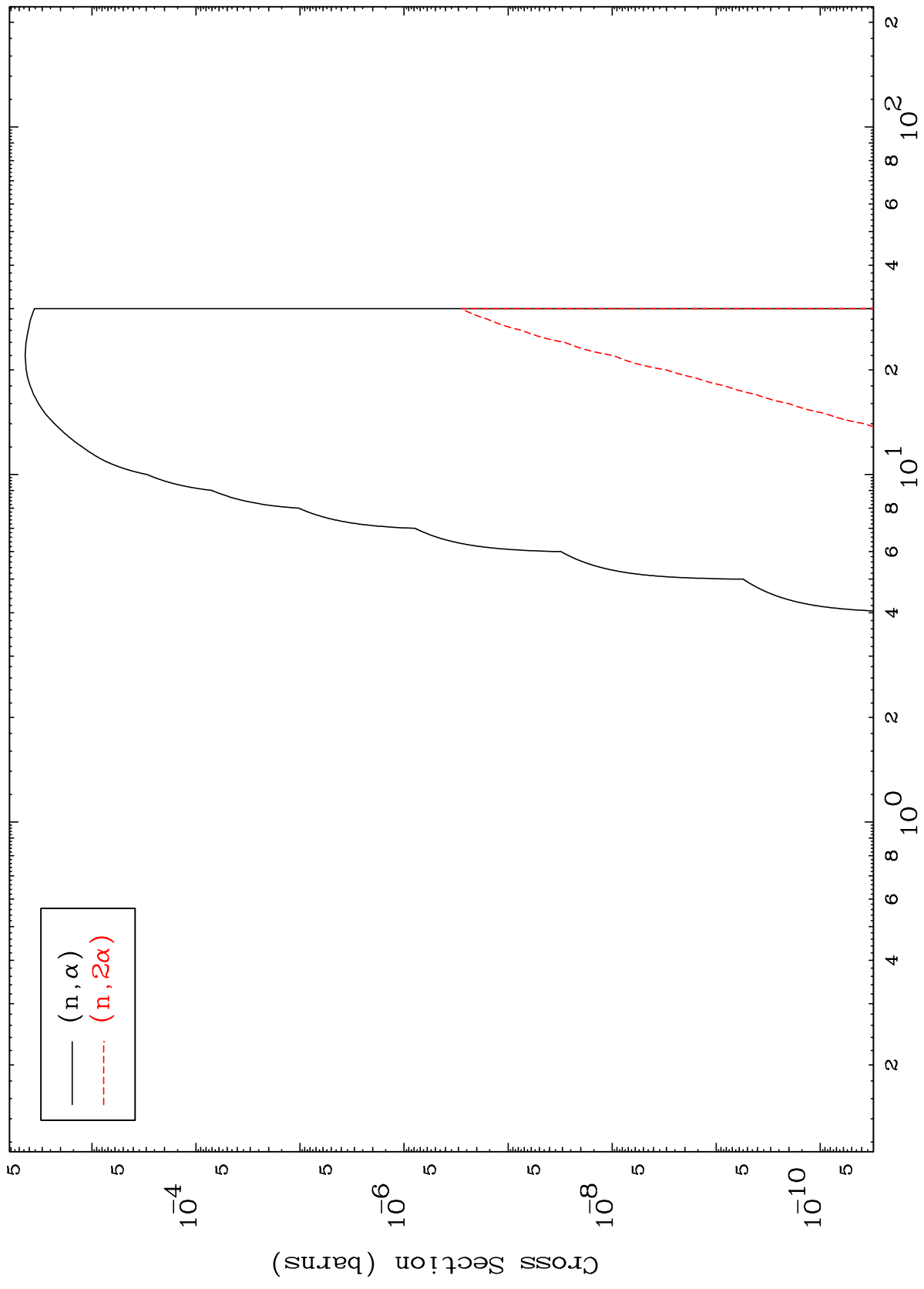
82-Pb-199

MAT 8210

(d, α) Levels

82-Pb-199

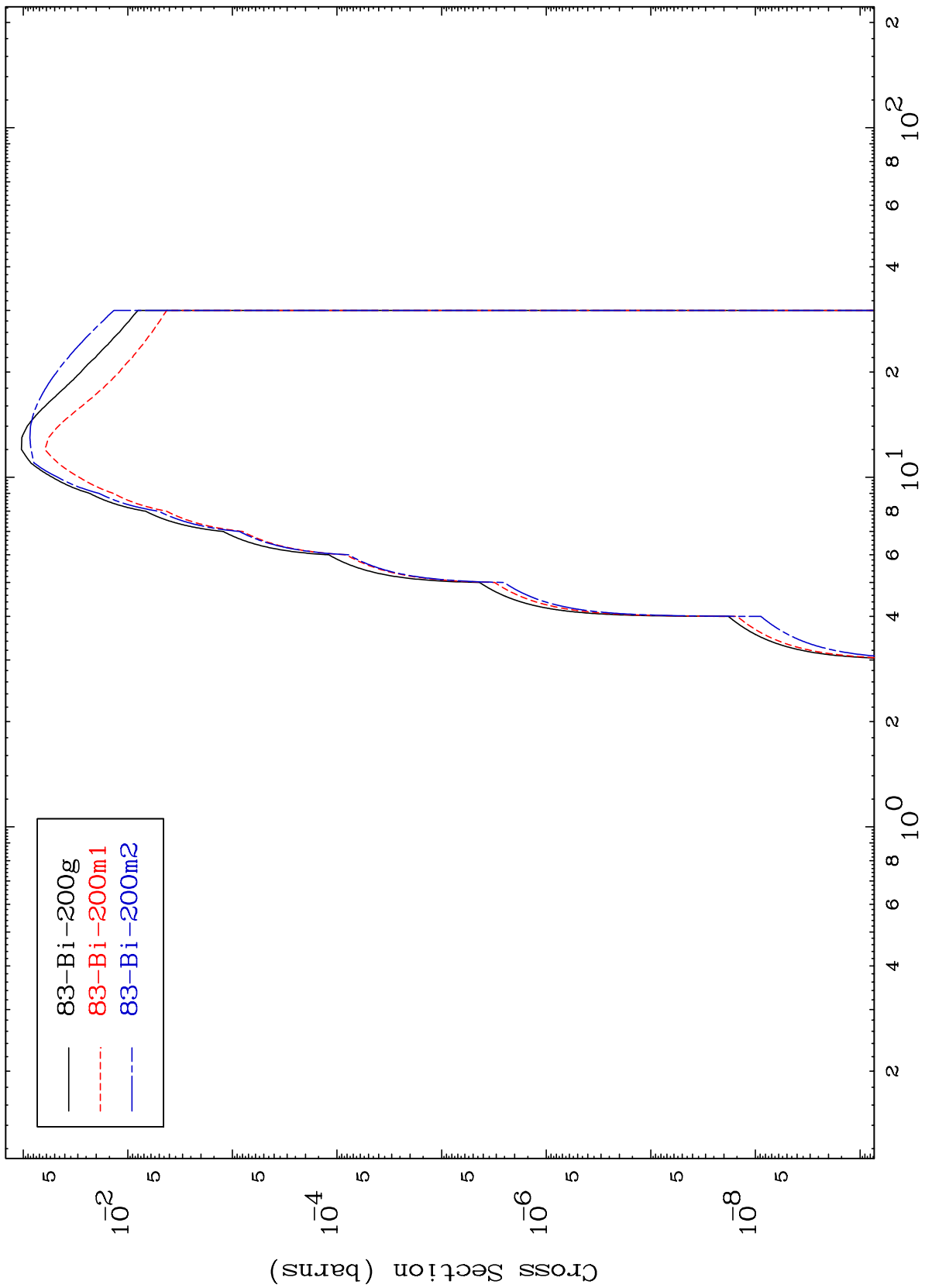
0 Kelvin Cross Sections



MAT 8210

82-Pb-199

Inelastic
Radionuclide Production Cross Section



83-Bi-200g
83-Bi-200m1
83-Bi-200m2

82-Pb-199

Incident Energy (MeV)

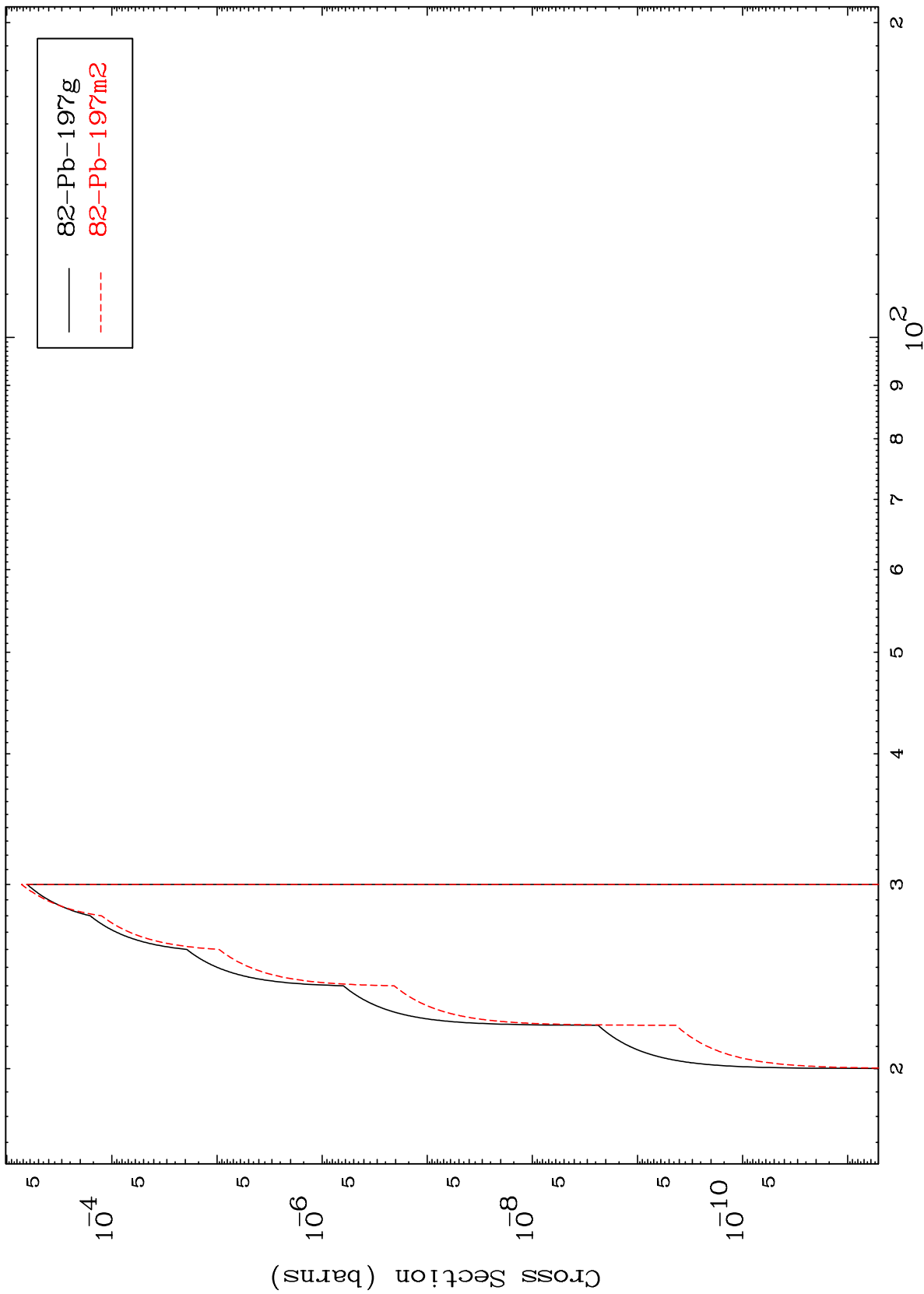
12

MAT 8210

(n,2n) d

82-Pb-199

Radionuclide Production Cross Section



13

Incident Energy (MeV)

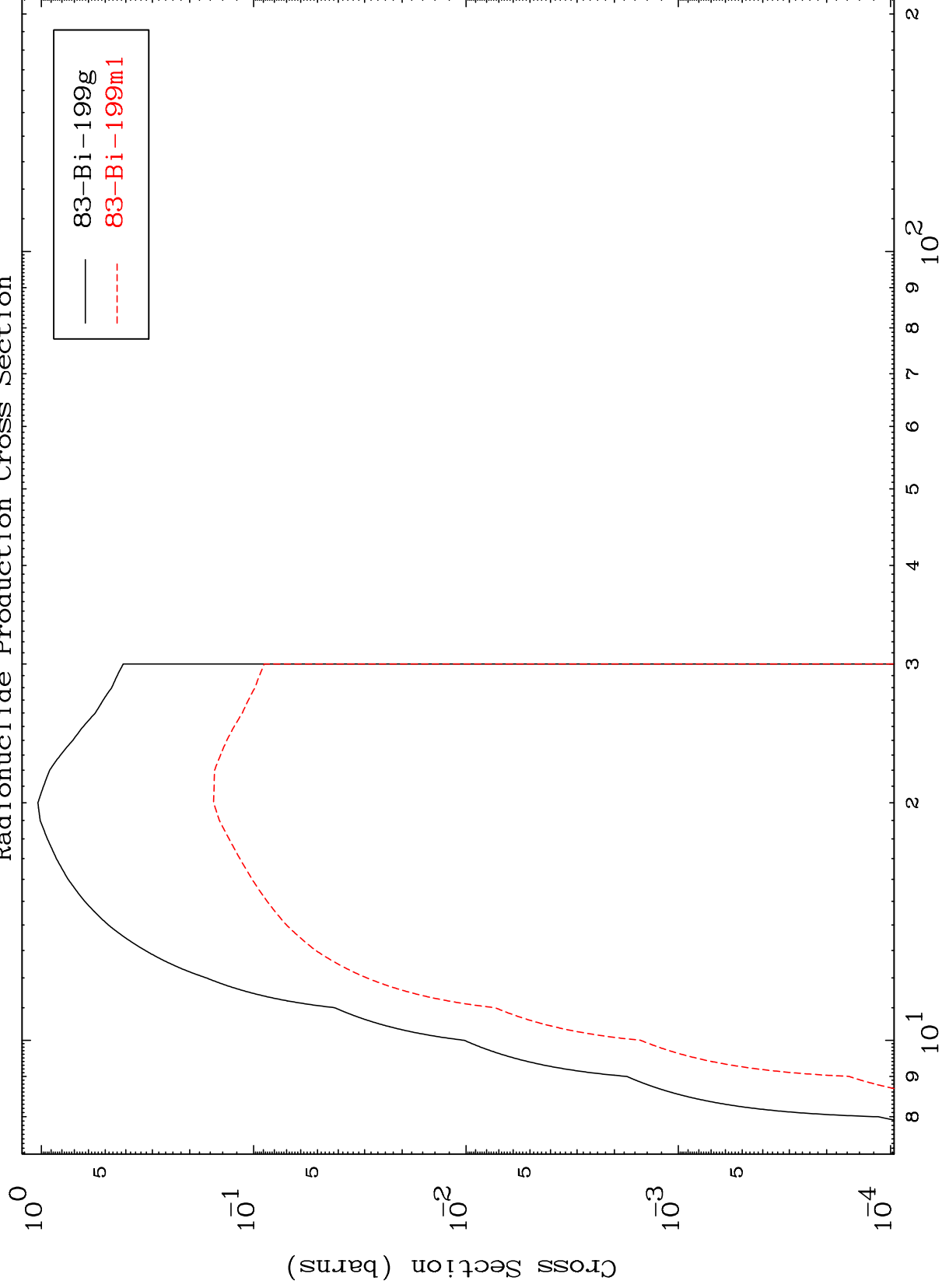
82-Pb-199

MAT 8210

(n,2n)

82-Pb-199

Radionuclide Production Cross Section

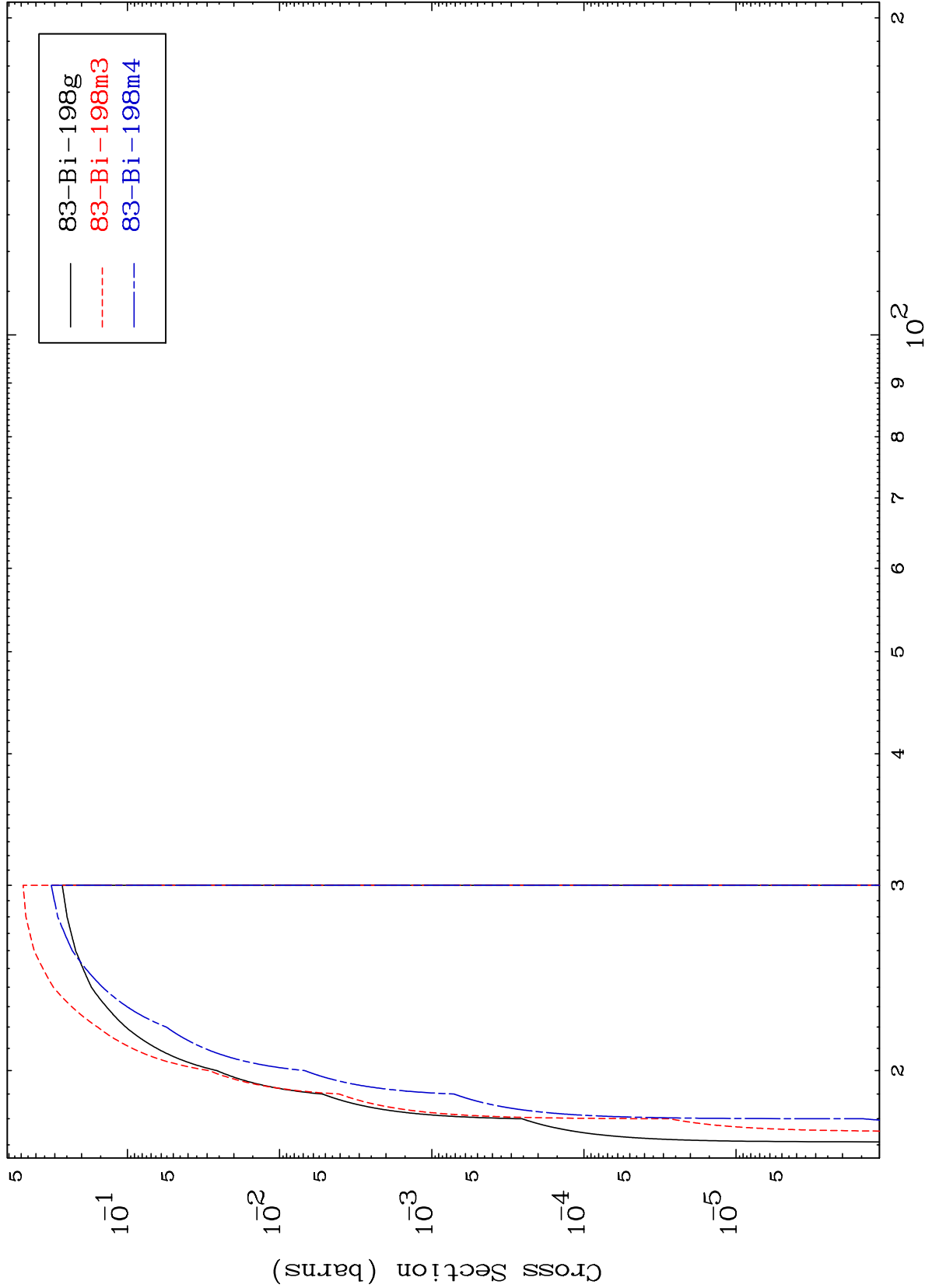


14

Incident Energy (MeV)

82-Pb-199

Radionuclide Production Cross Section

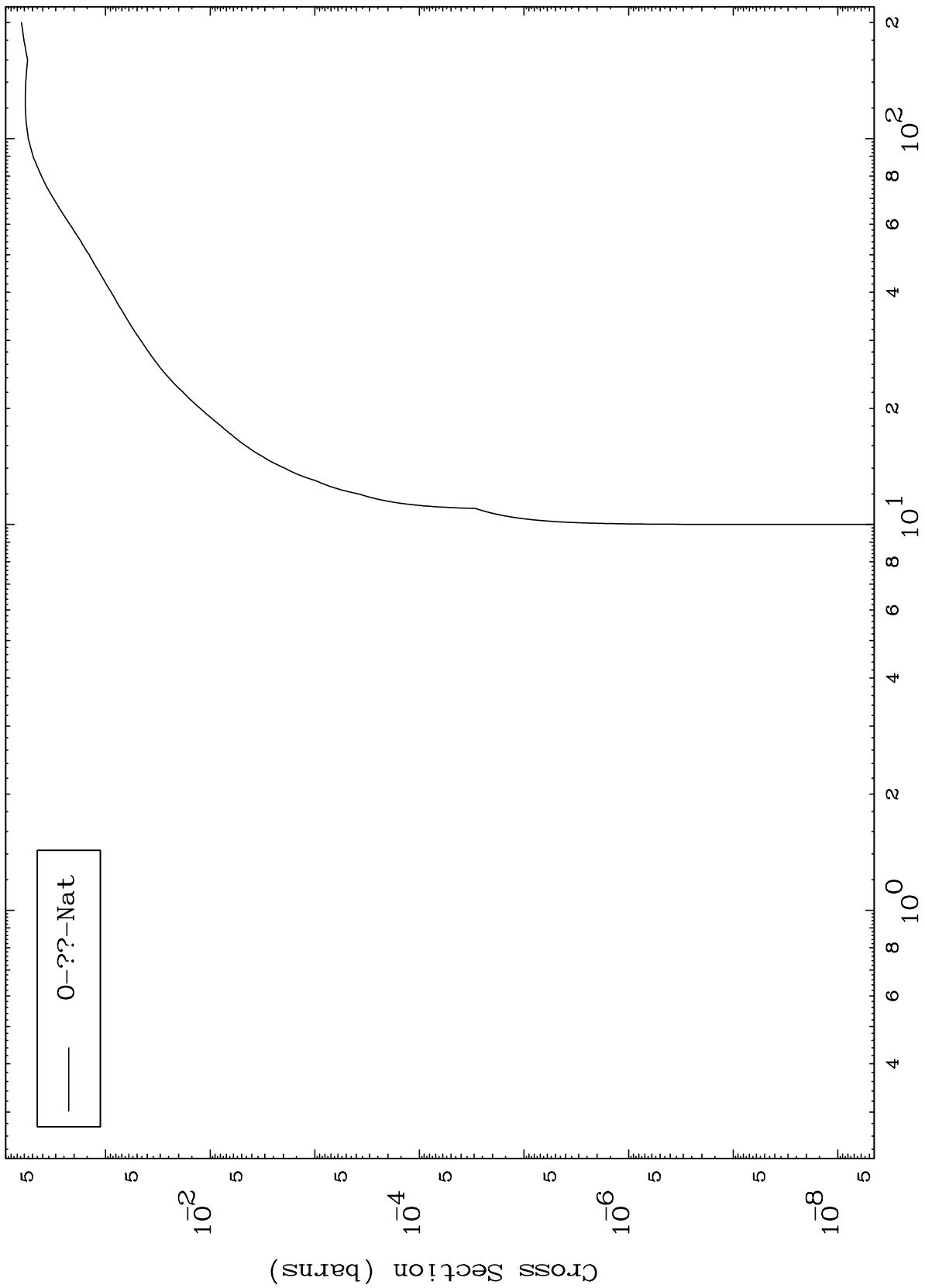


MAT 8210

Fission

82-Pb-199

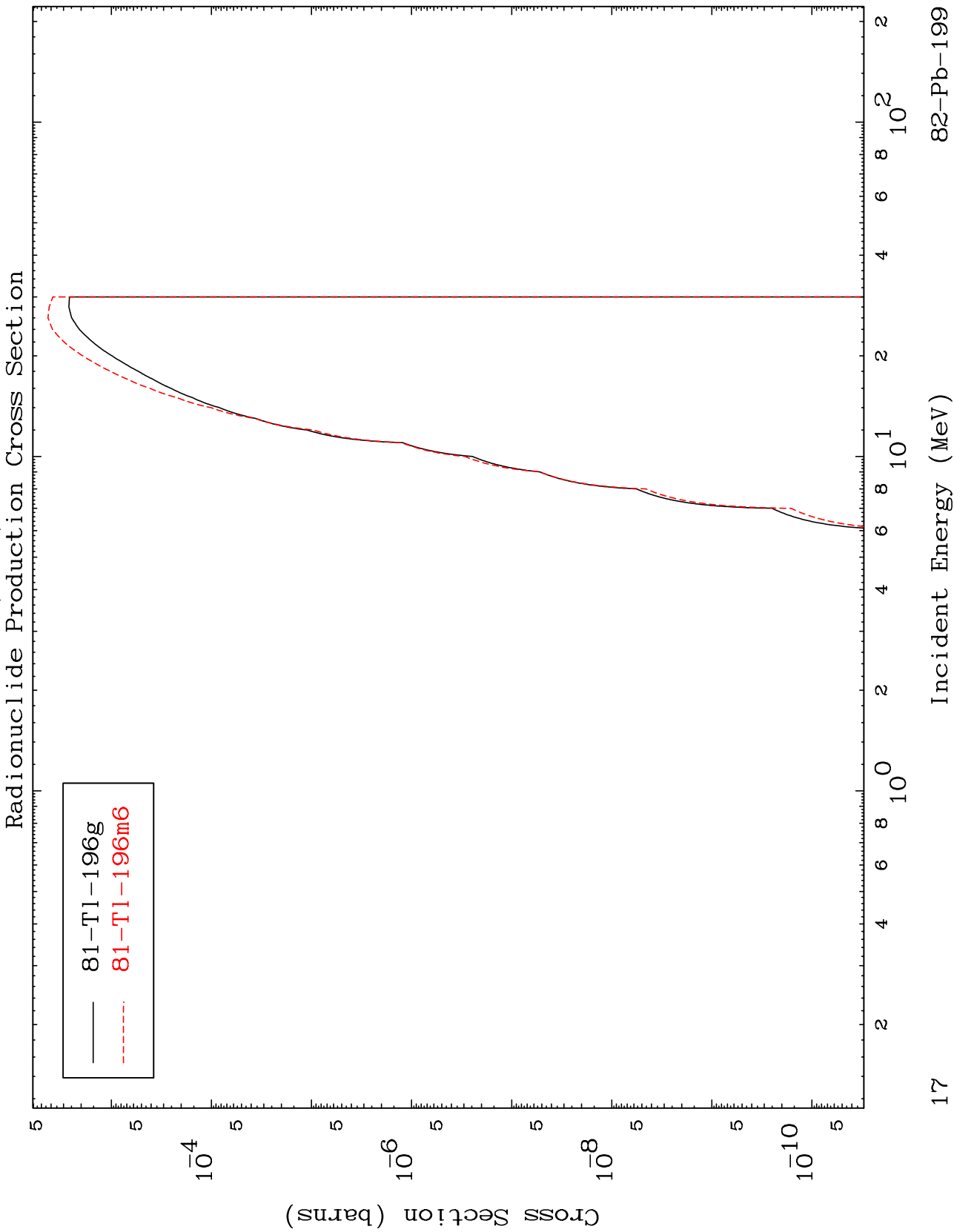
Radionuclide Production Cross Section



MAT 8210

$(n, n') \alpha$

82-Pb-199

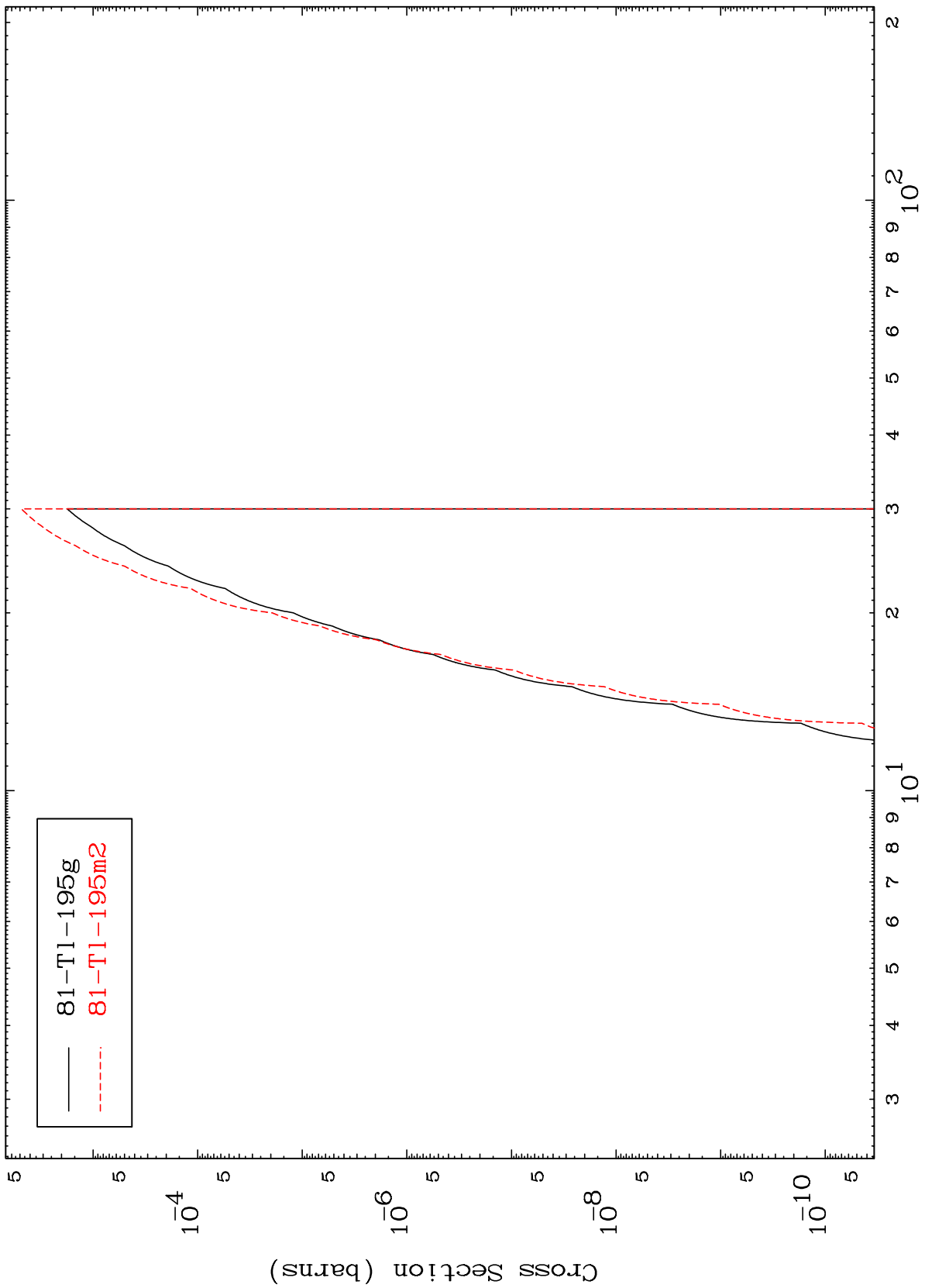


MAT 8210

(n,2n) α

82-Pb-199

Radionuclide Production Cross Section



18

Incident Energy (MeV)

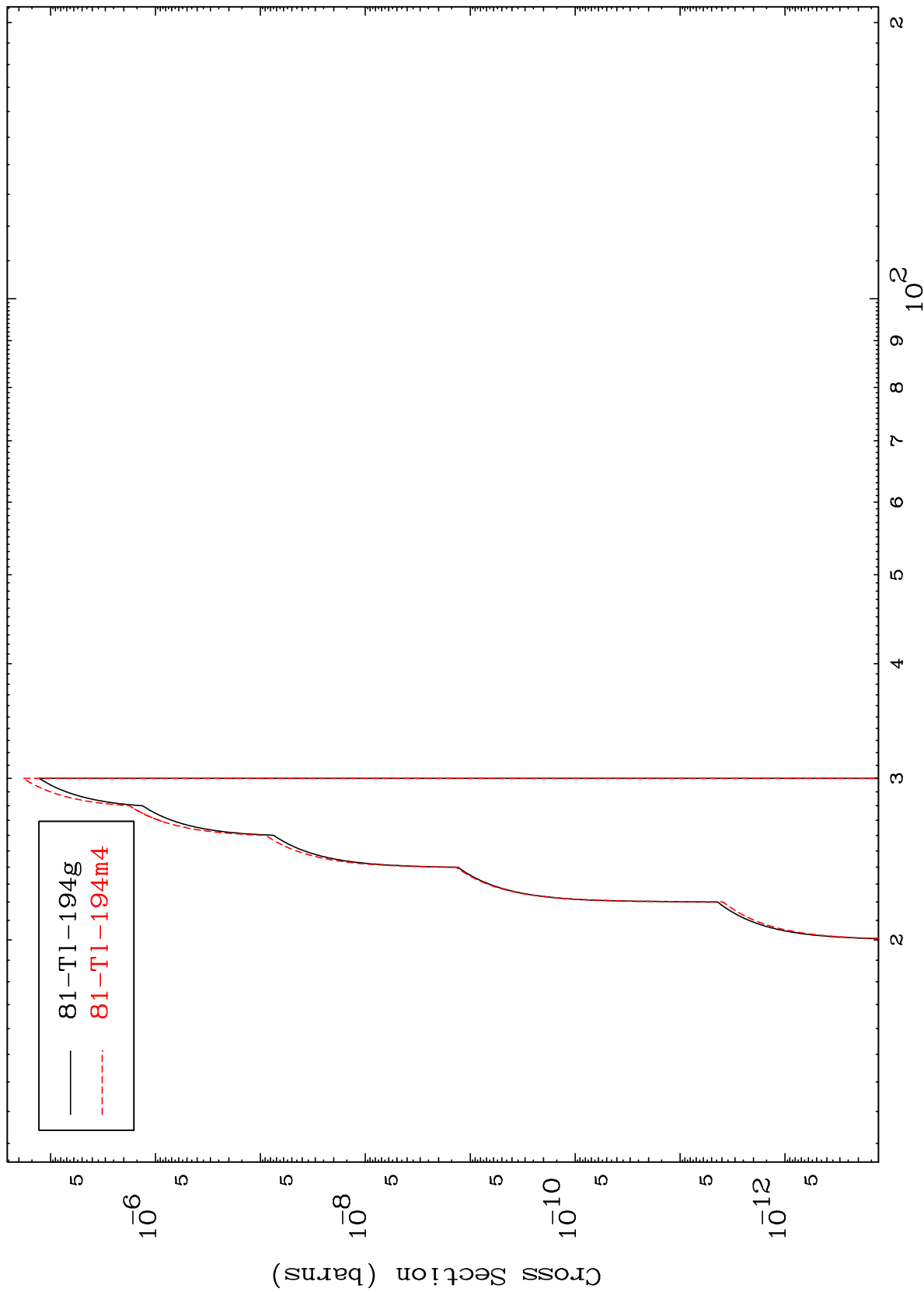
82-Pb-199

MAT 8210

82-Pb-199

(n,3n) α

Radionuclide Production Cross Section



19

Incident Energy (MeV)

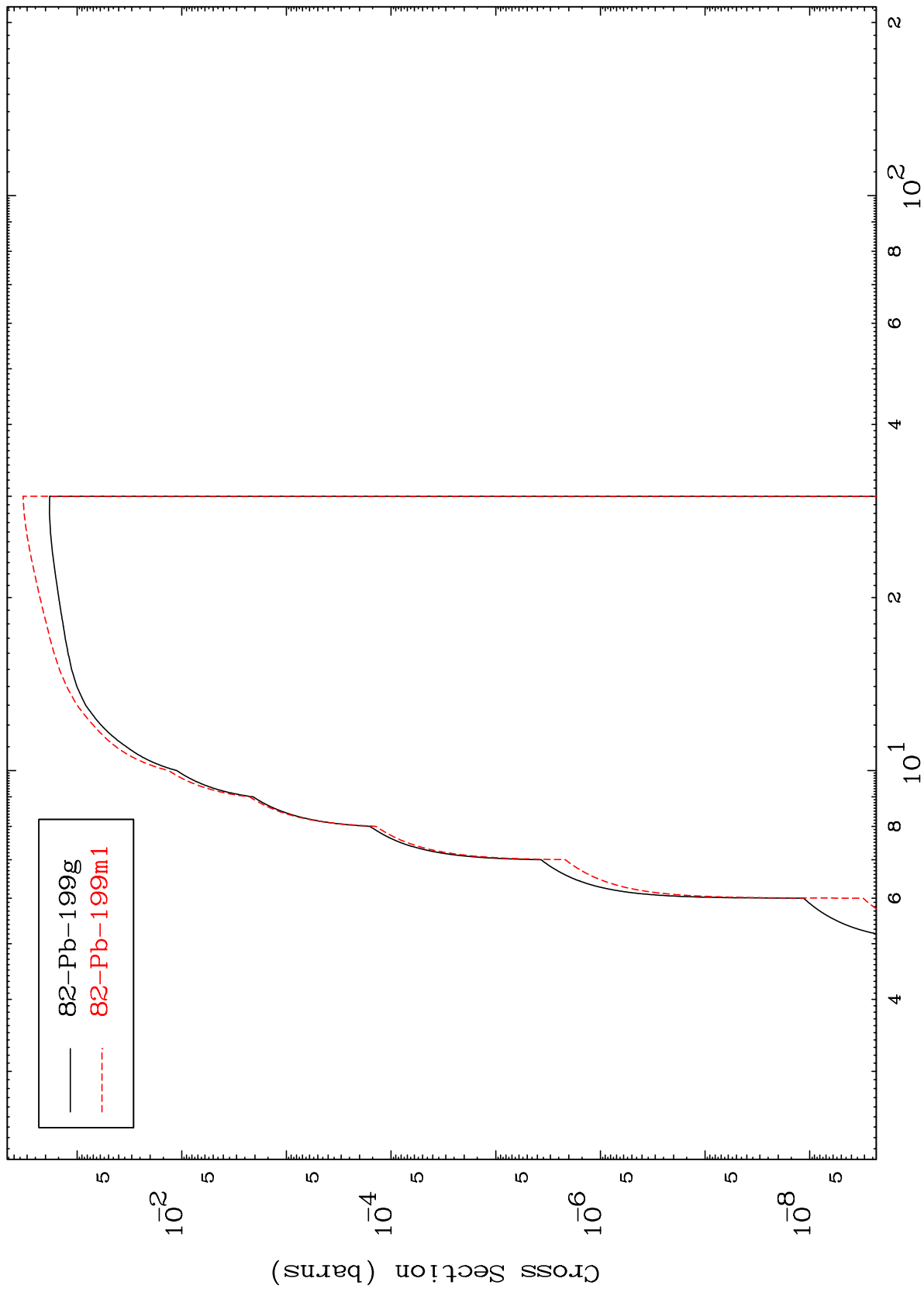
82-Pb-199

MAT 8210

(n,n') p

82-Pb-199

Radionuclide Production Cross Section



20

Incident Energy (MeV)

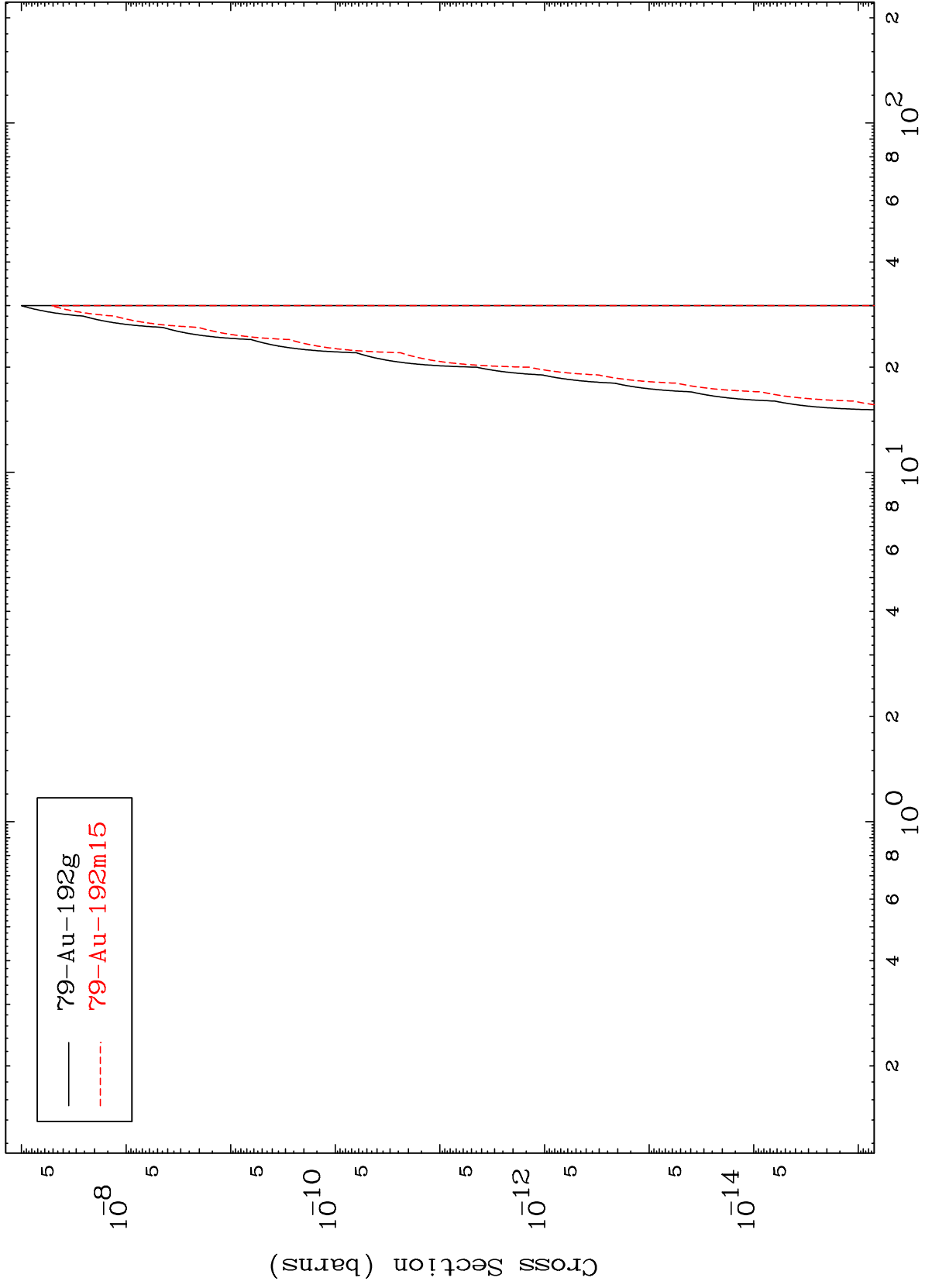
82-Pb-199

MAT 8210

(n,n') 2α

82-Pb-199

Radionuclide Production Cross Section

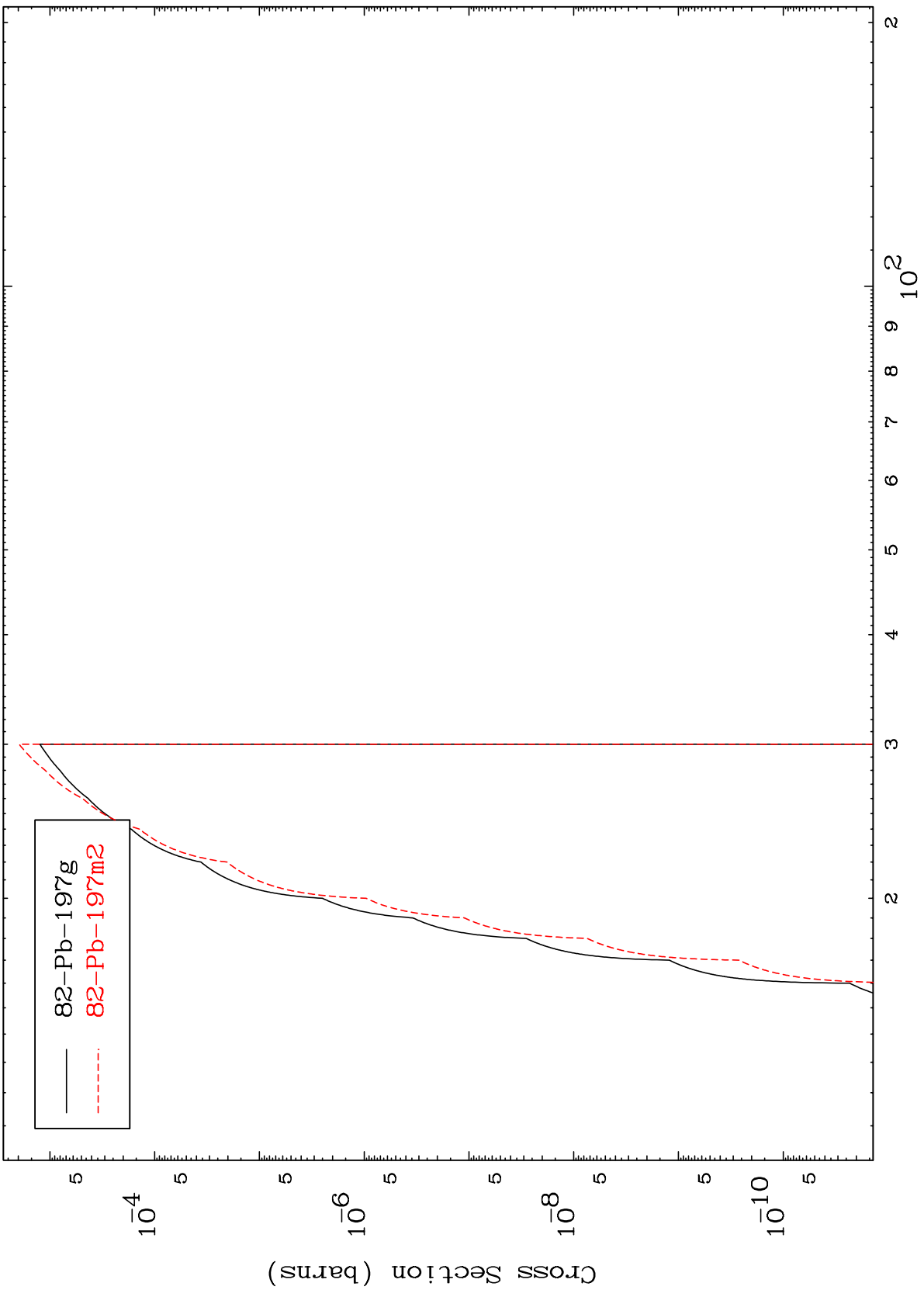


MAT 8210

(n,n') t

82-Pb-199

Radionuclide Production Cross Section



22

Incident Energy (MeV)

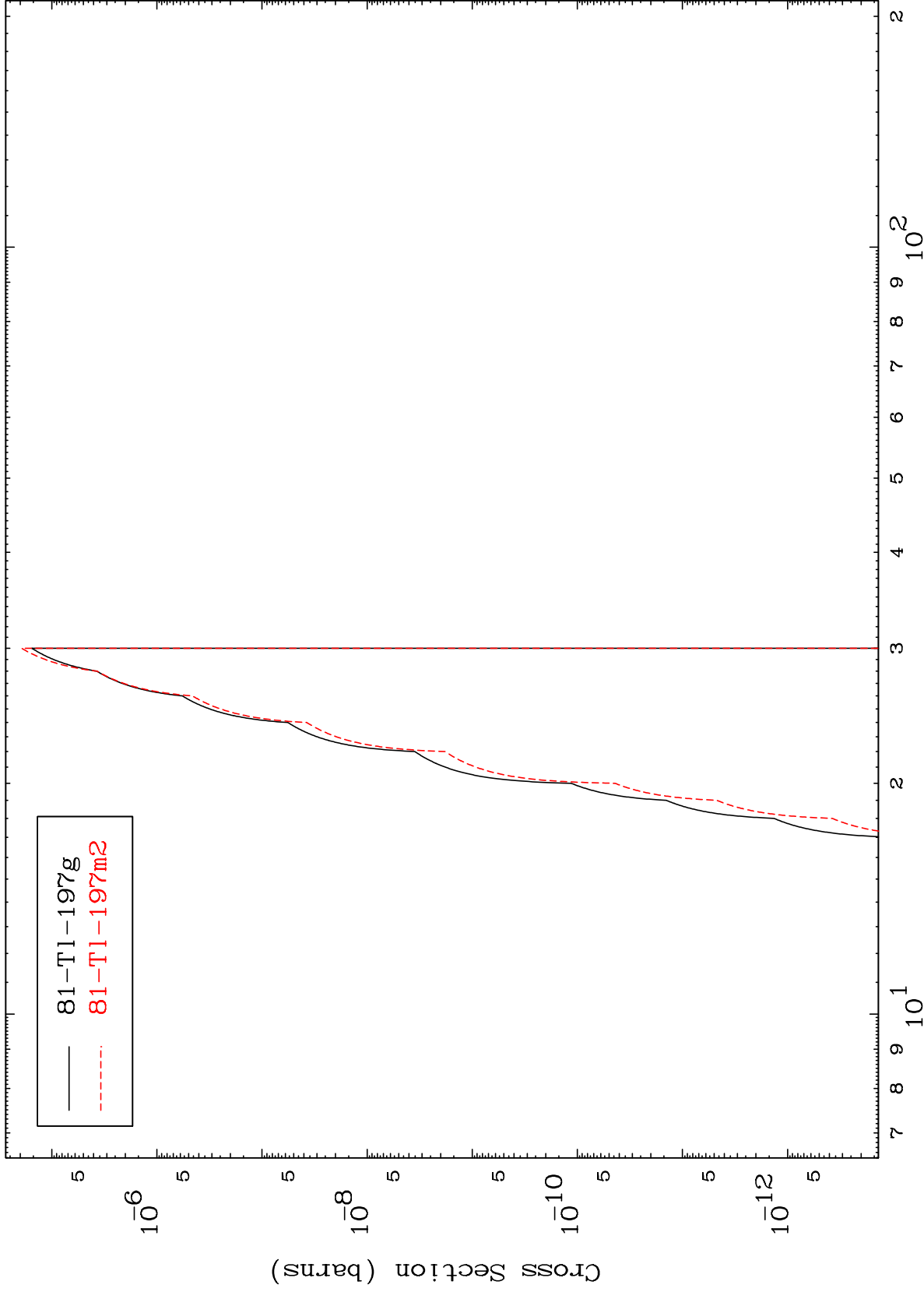
82-Pb-199

MAT 8210

(n,n') He-3

82-Pb-199

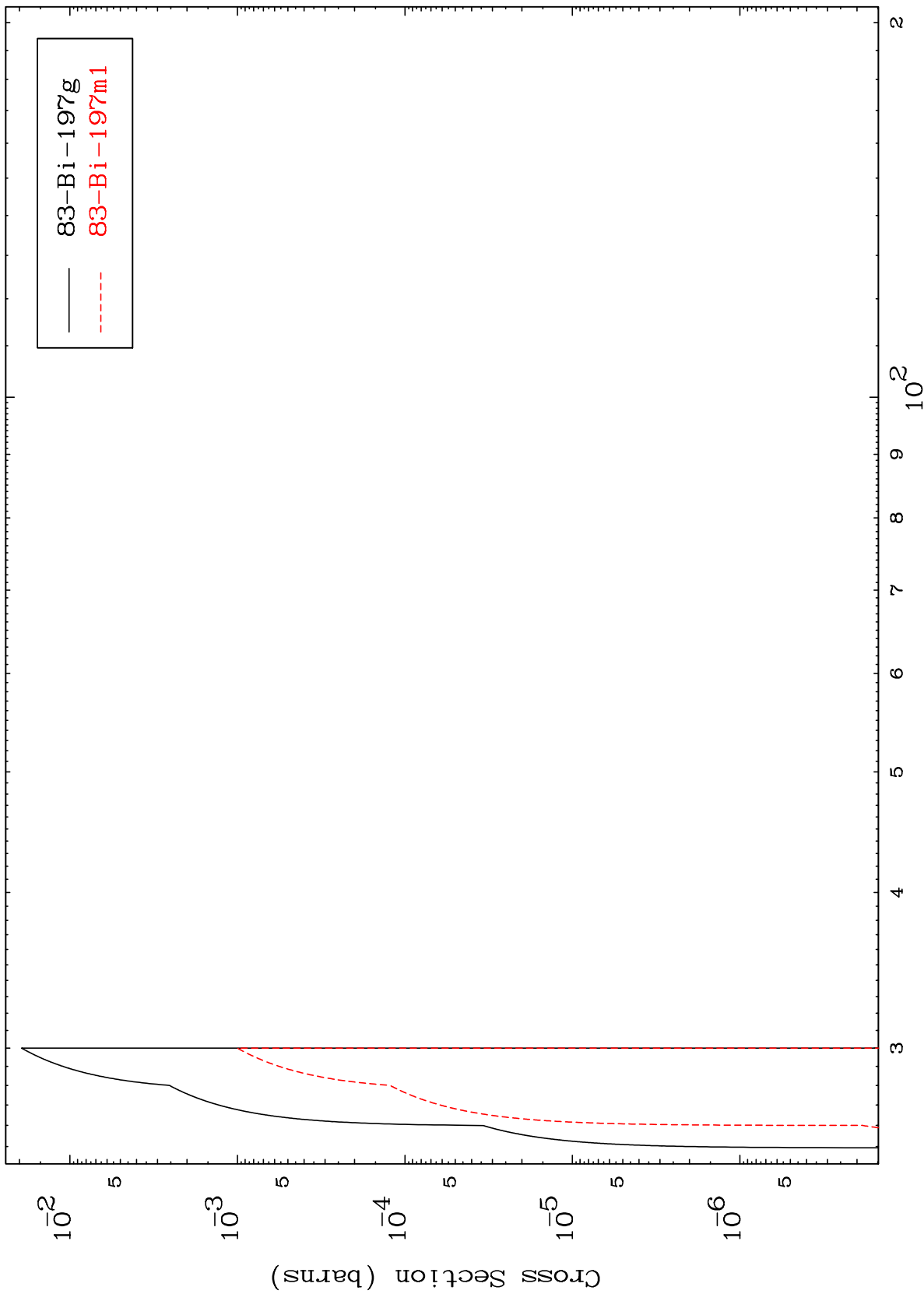
Radionuclide Production Cross Section



MAT 8210

82-Pb-199

(n,4n)
Radionuclide Production Cross Section



83-Bi-197g
83-Bi-197m1

24

82-Pb-199

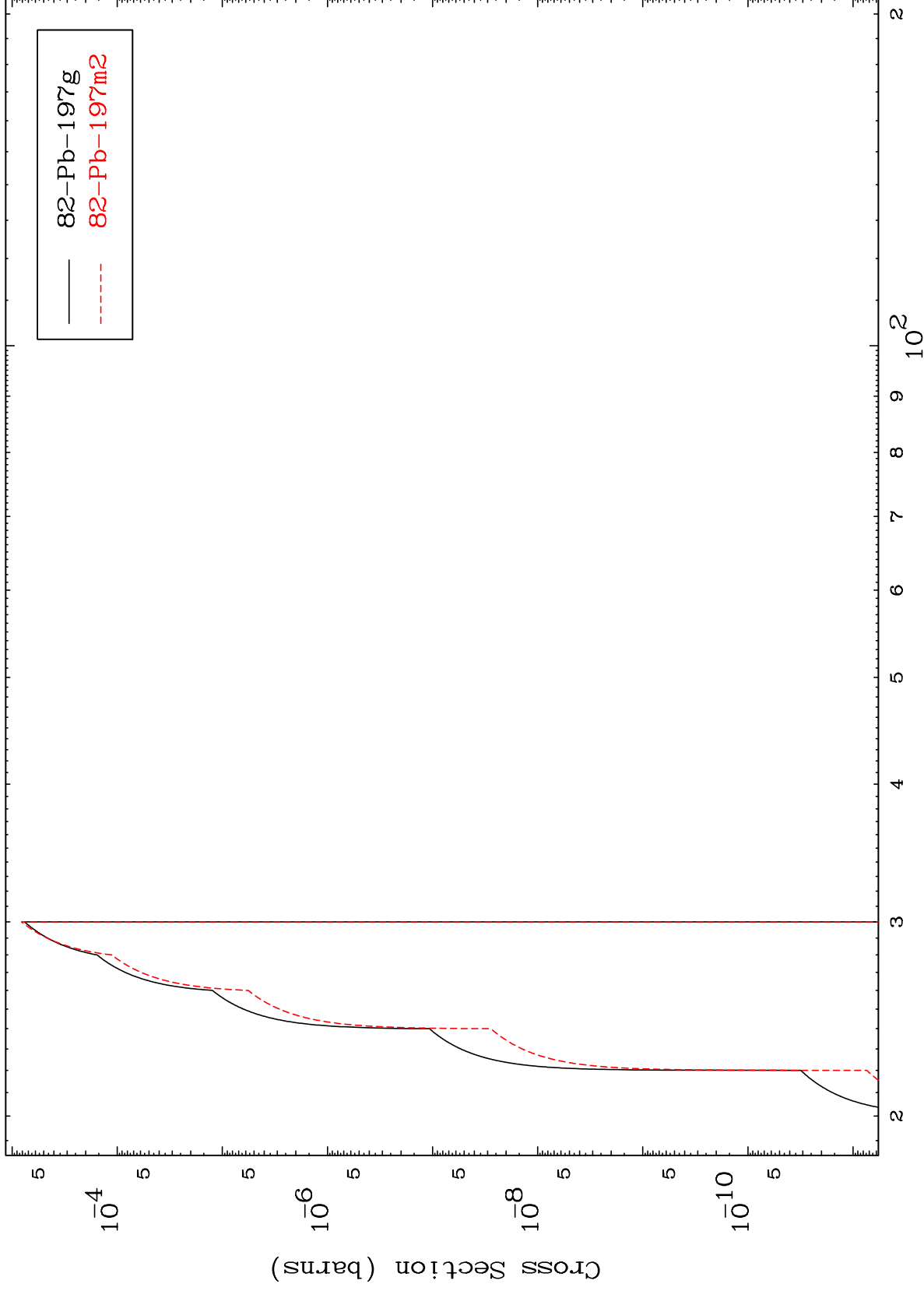
Incident Energy (MeV)

MAT 8210

(n,3n) p

82-Pb-199

Radionuclide Production Cross Section

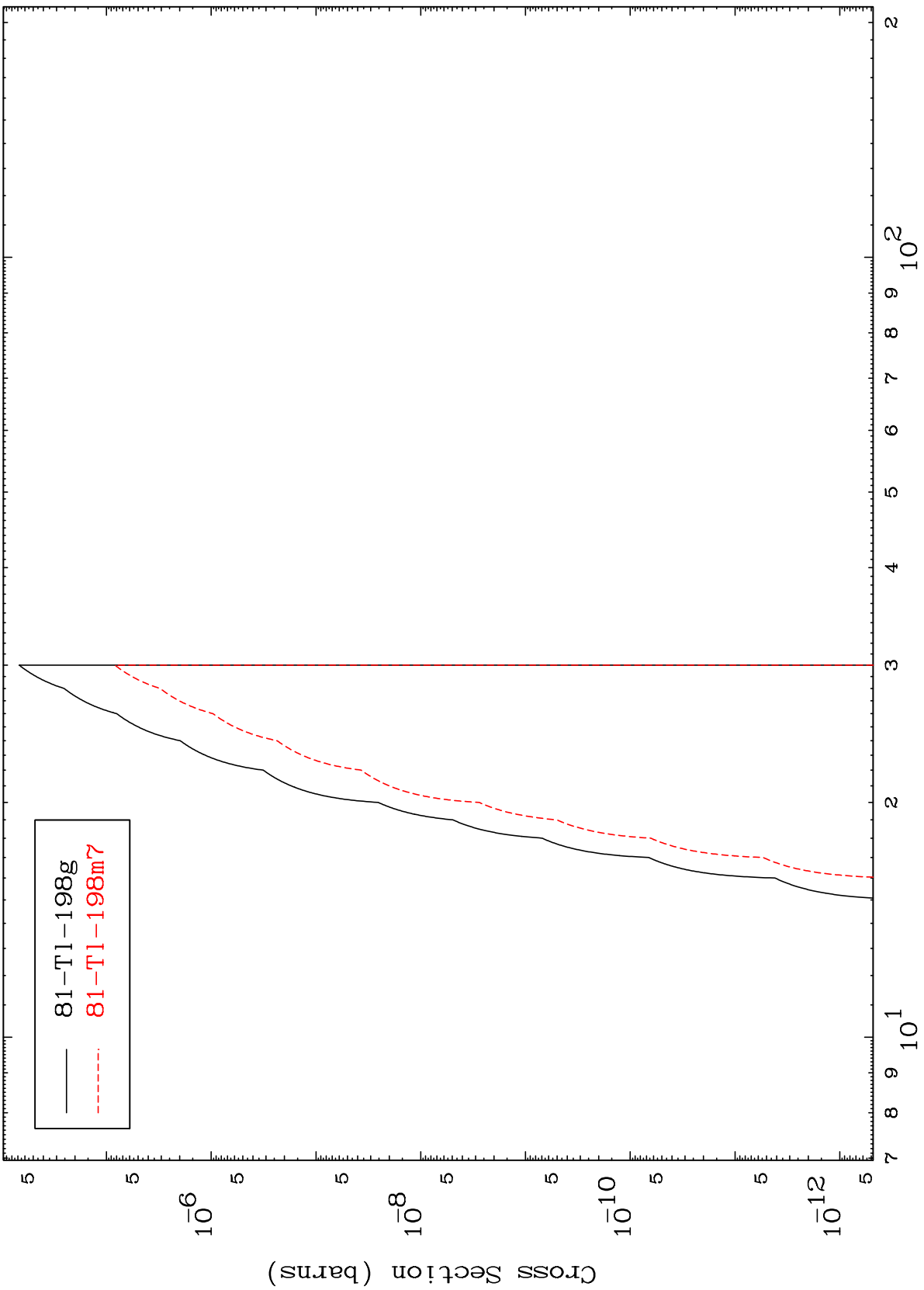


25

Incident Energy (MeV)

82-Pb-199

Radionuclide Production Cross Section



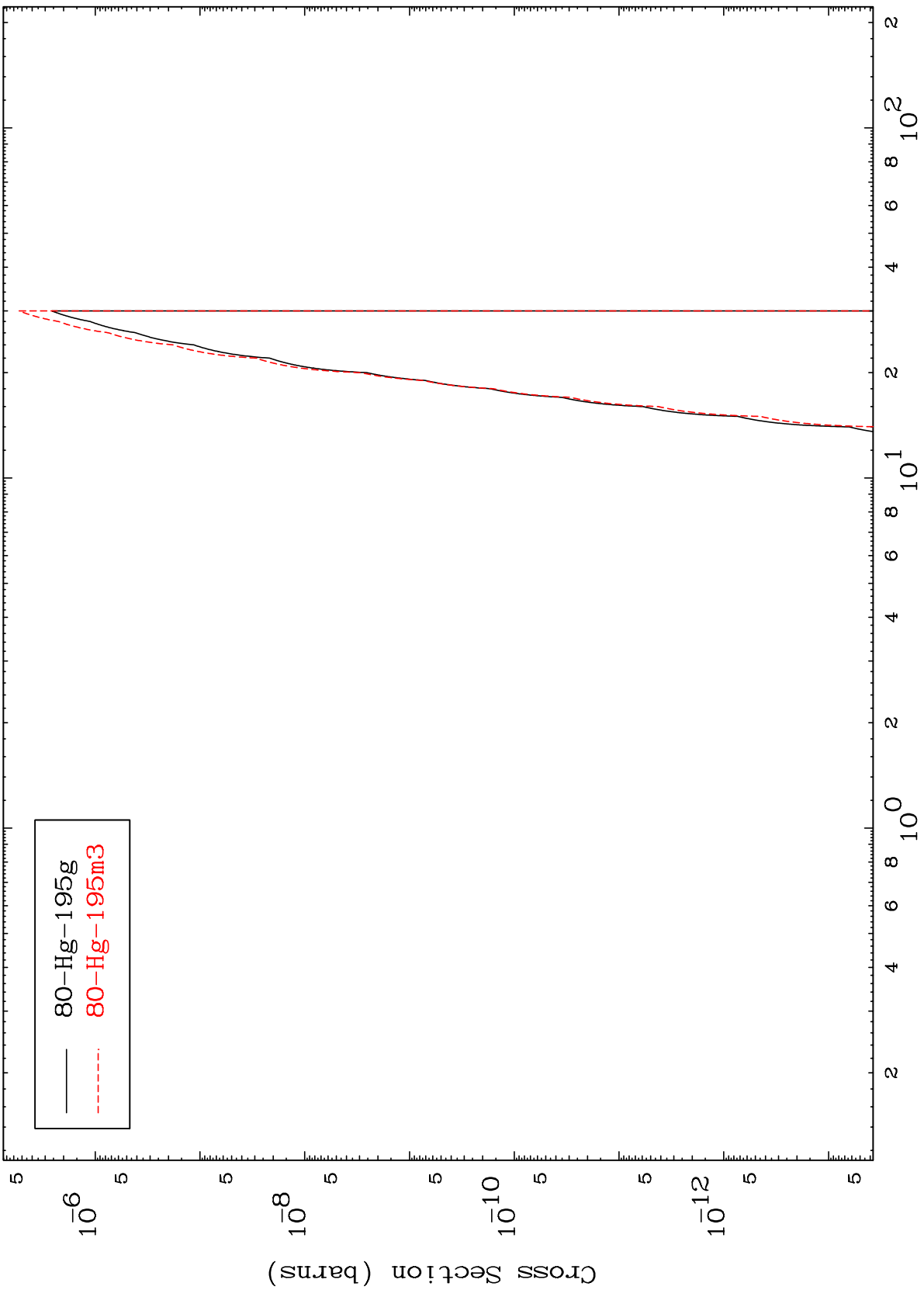
81-Tl-198g
81-Tl-198m7

MAT 8210

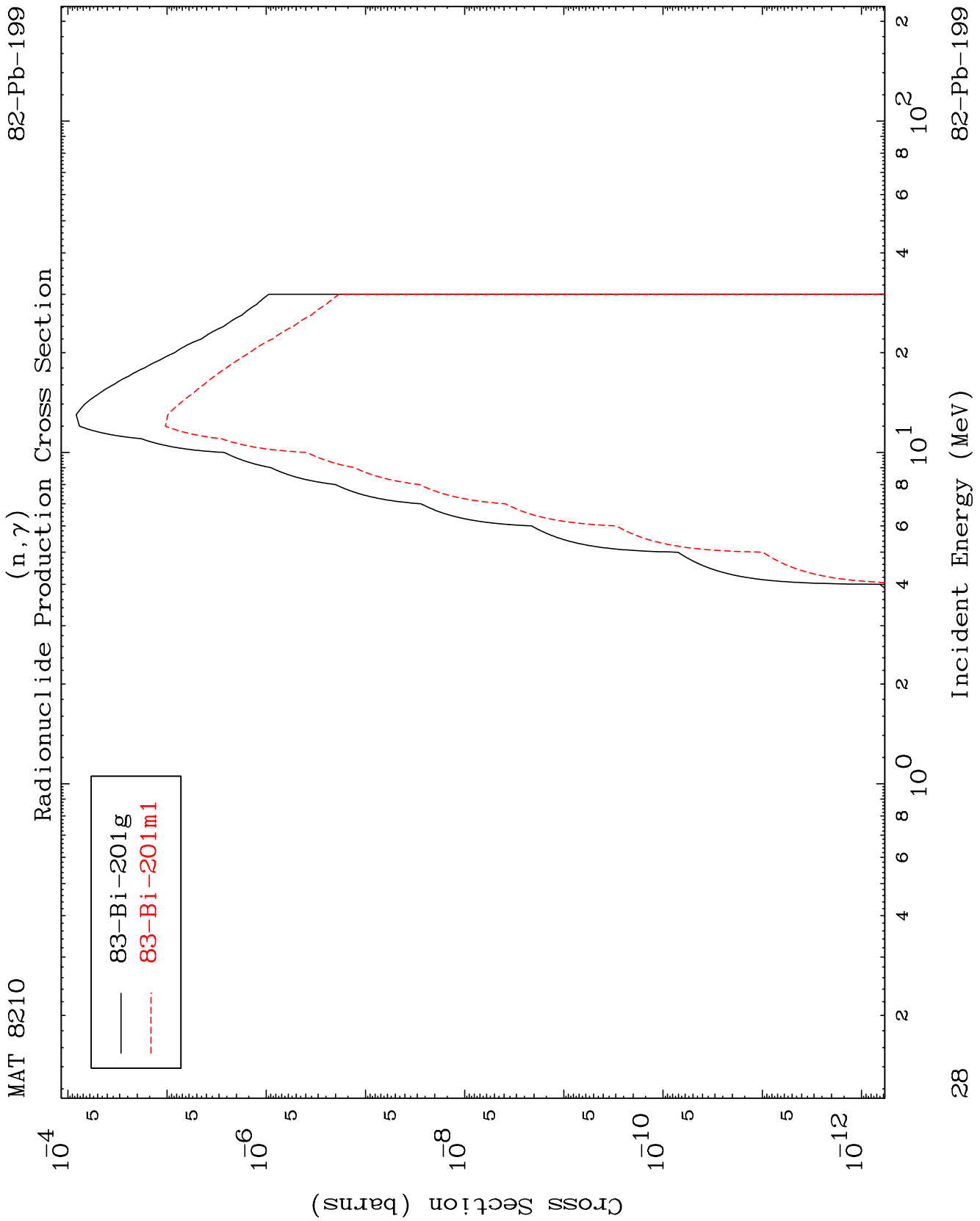
(n,n') p α

82-Pb-199

Radionuclide Production Cross Section



80-Hg-195g
80-Hg-195m3

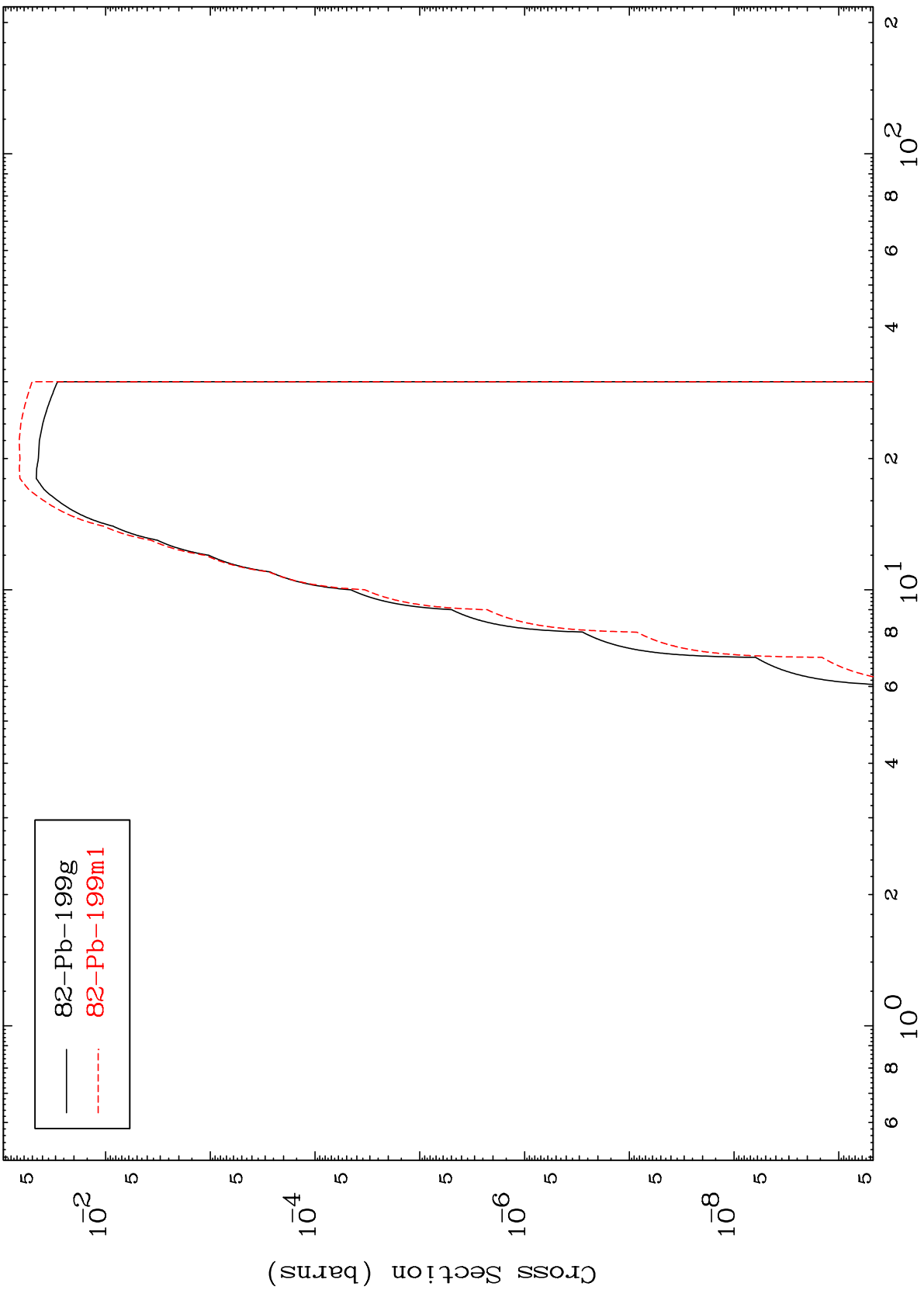


MAT 8210

(n,d)

82-Pb-199

Radionuclide Production Cross Section



82-Pb-199g
82-Pb-199m1

29

Incident Energy (MeV)

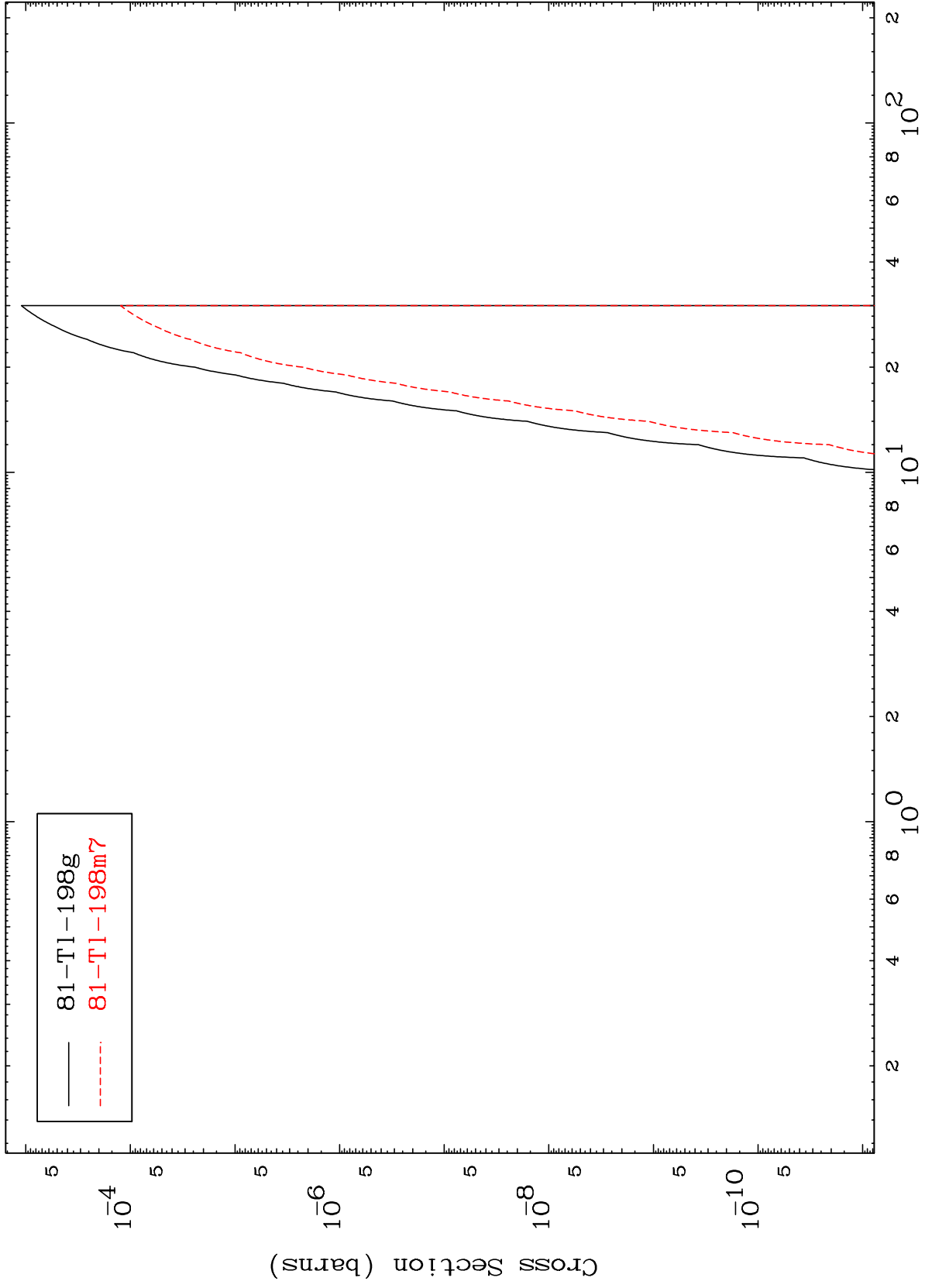
82-Pb-199

MAT 8210

(n,He-3)

82-Pb-199

Radionuclide Production Cross Section



30

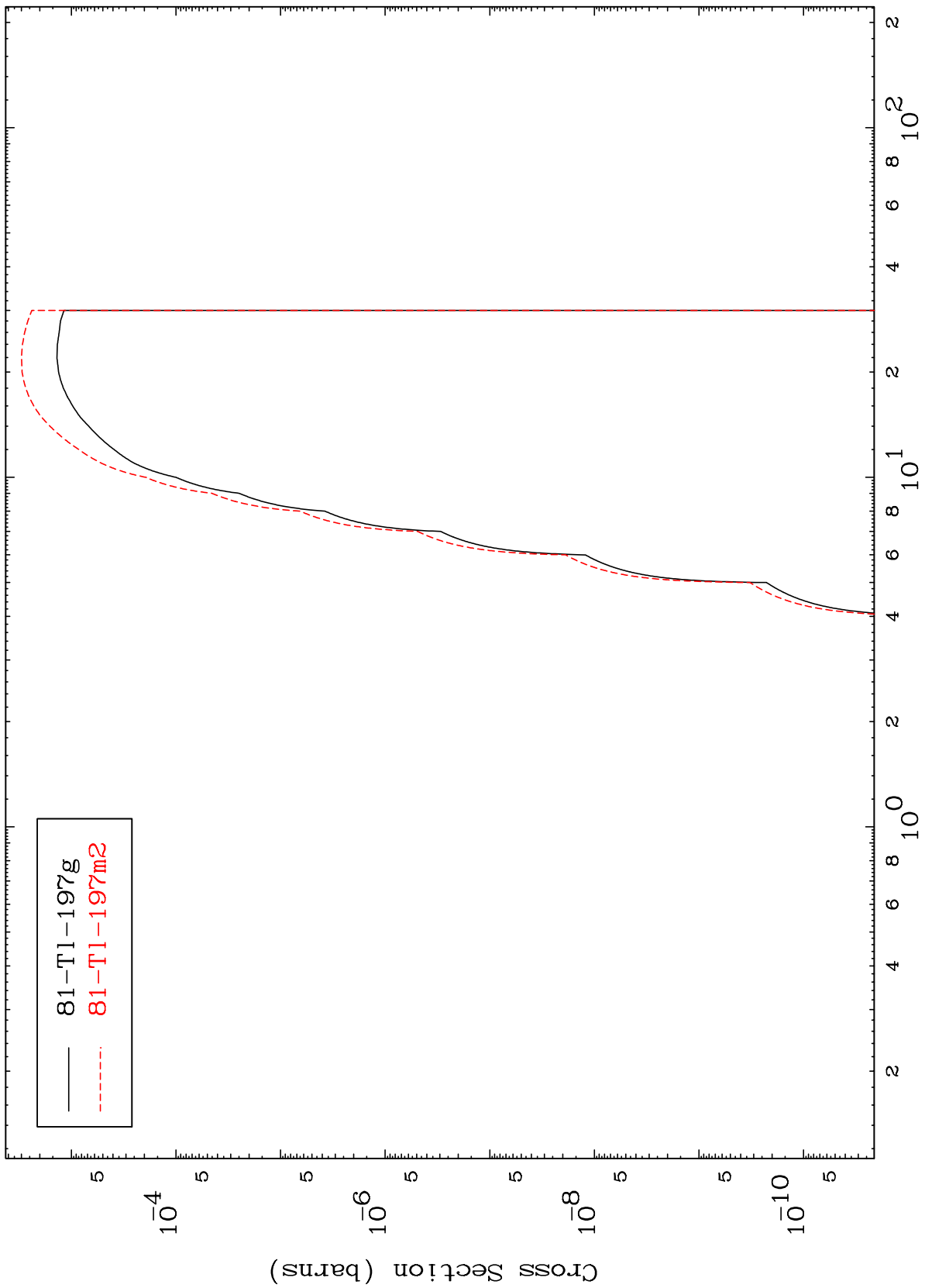
Incident Energy (MeV)

82-Pb-199

MAT 8210

82-Pb-199

(n, α)
Radionuclide Production Cross Section

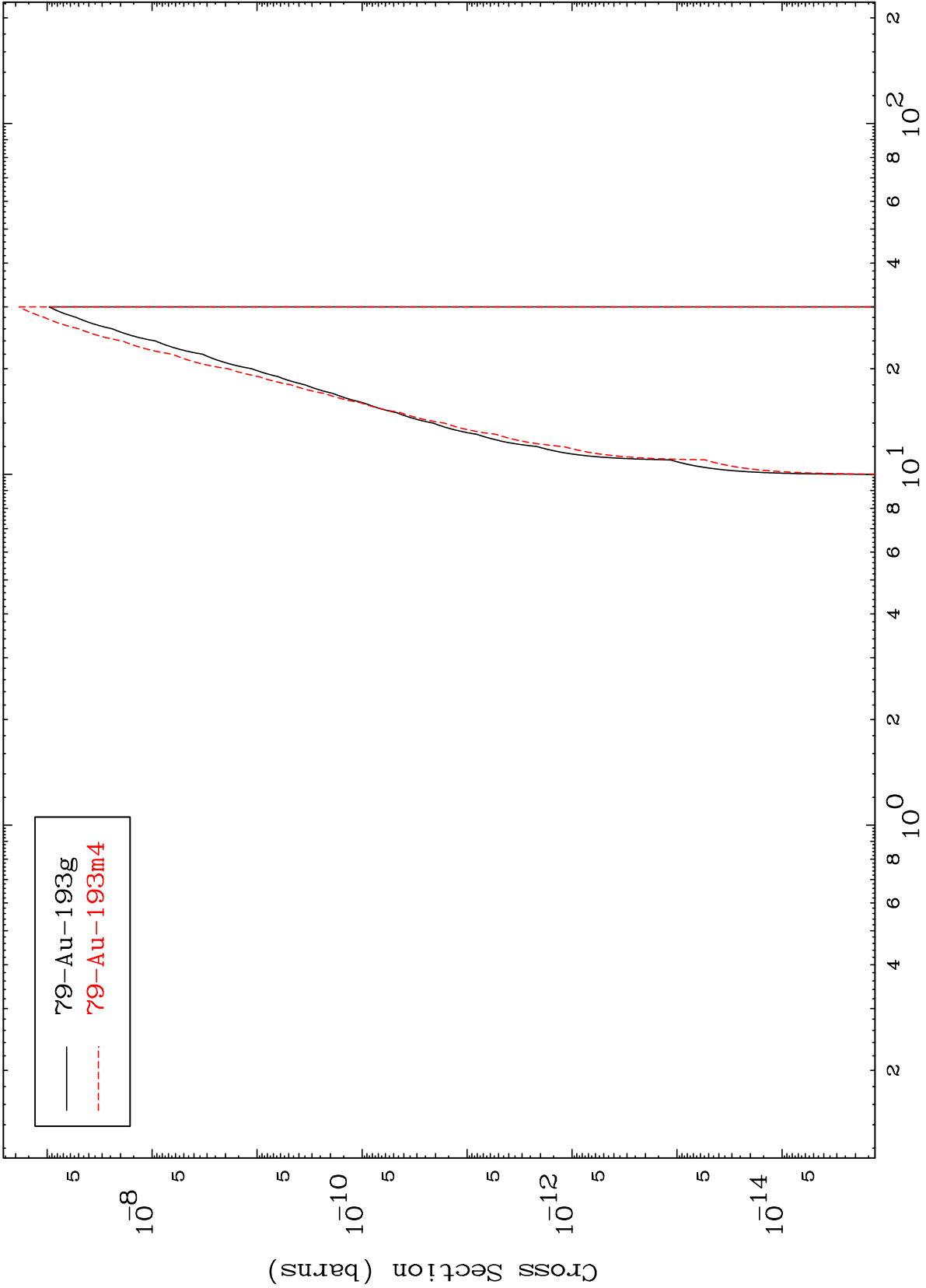


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(n,2 α)

82-Pb-199

Radionuclide Production Cross Section

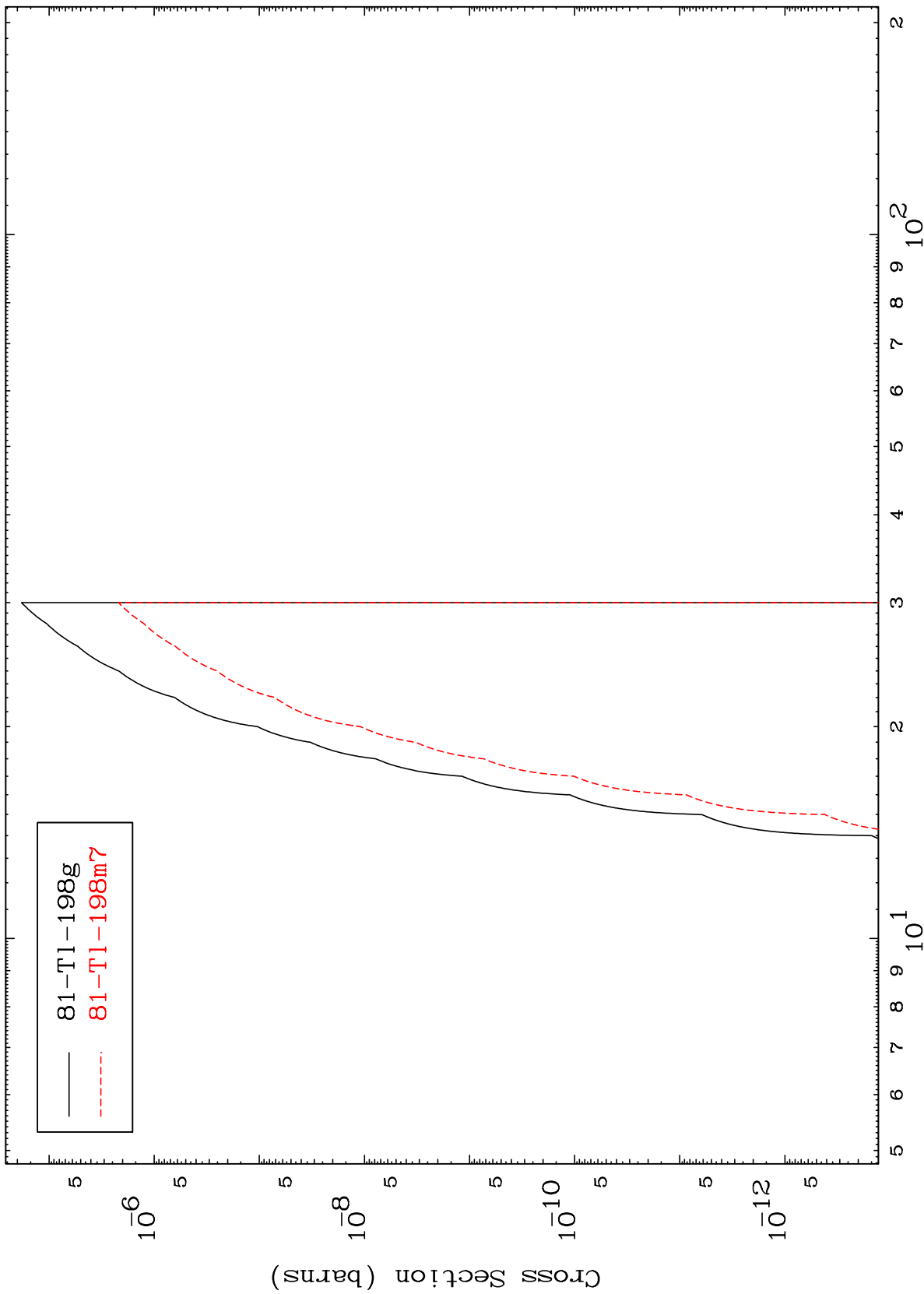


MAT 8210

(n,p) d

82-Pb-199

Radionuclide Production Cross Section



33

Incident Energy (MeV)

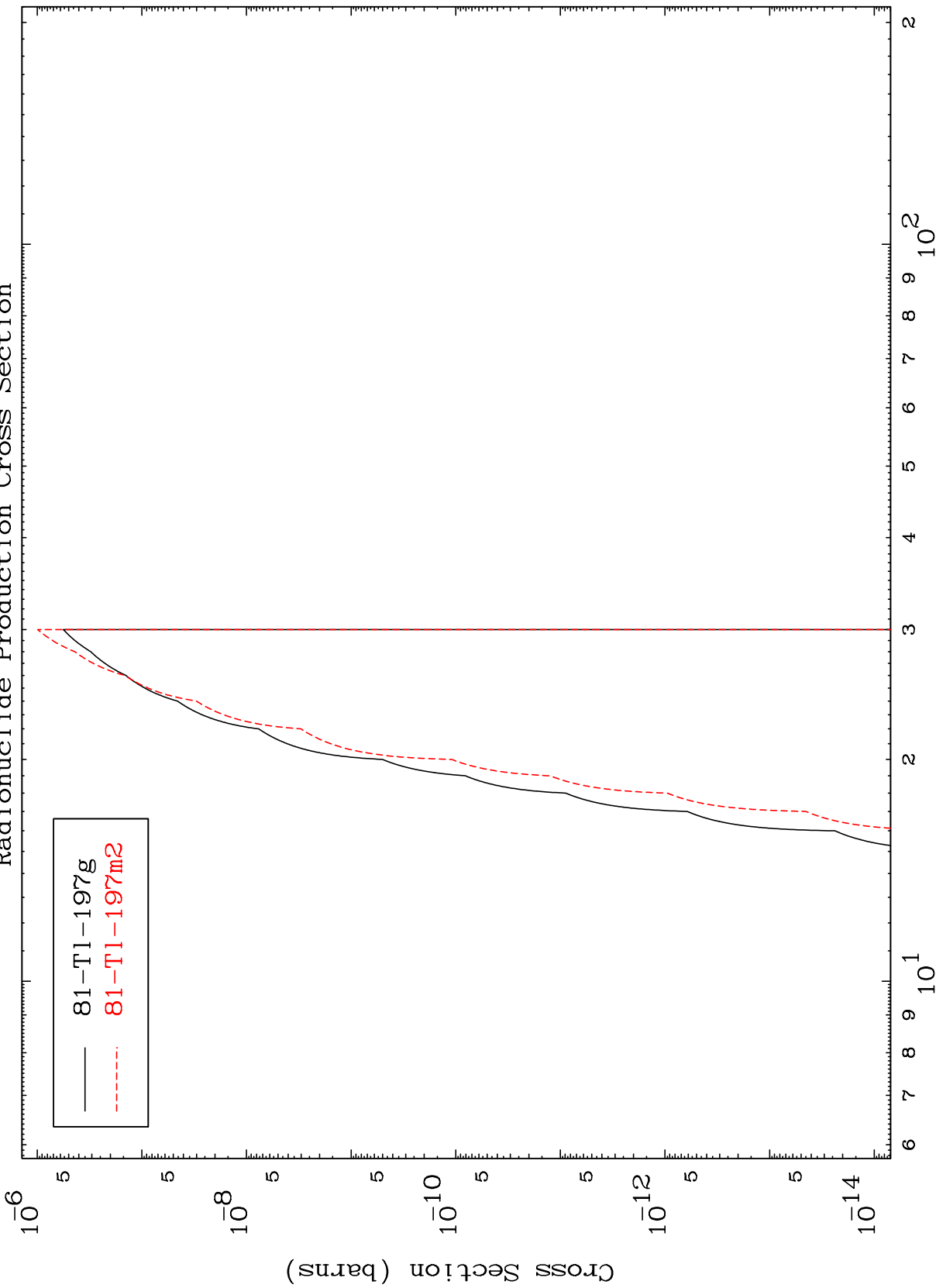
82-Pb-199

MAT 8210

(n,p) t

82-Pb-199

Radionuclide Production Cross Section



81-Tl-197g
81-Tl-197m2

34

Incident Energy (MeV)

82-Pb-199

MAT 8210

(n,d) α

82-Pb-199

